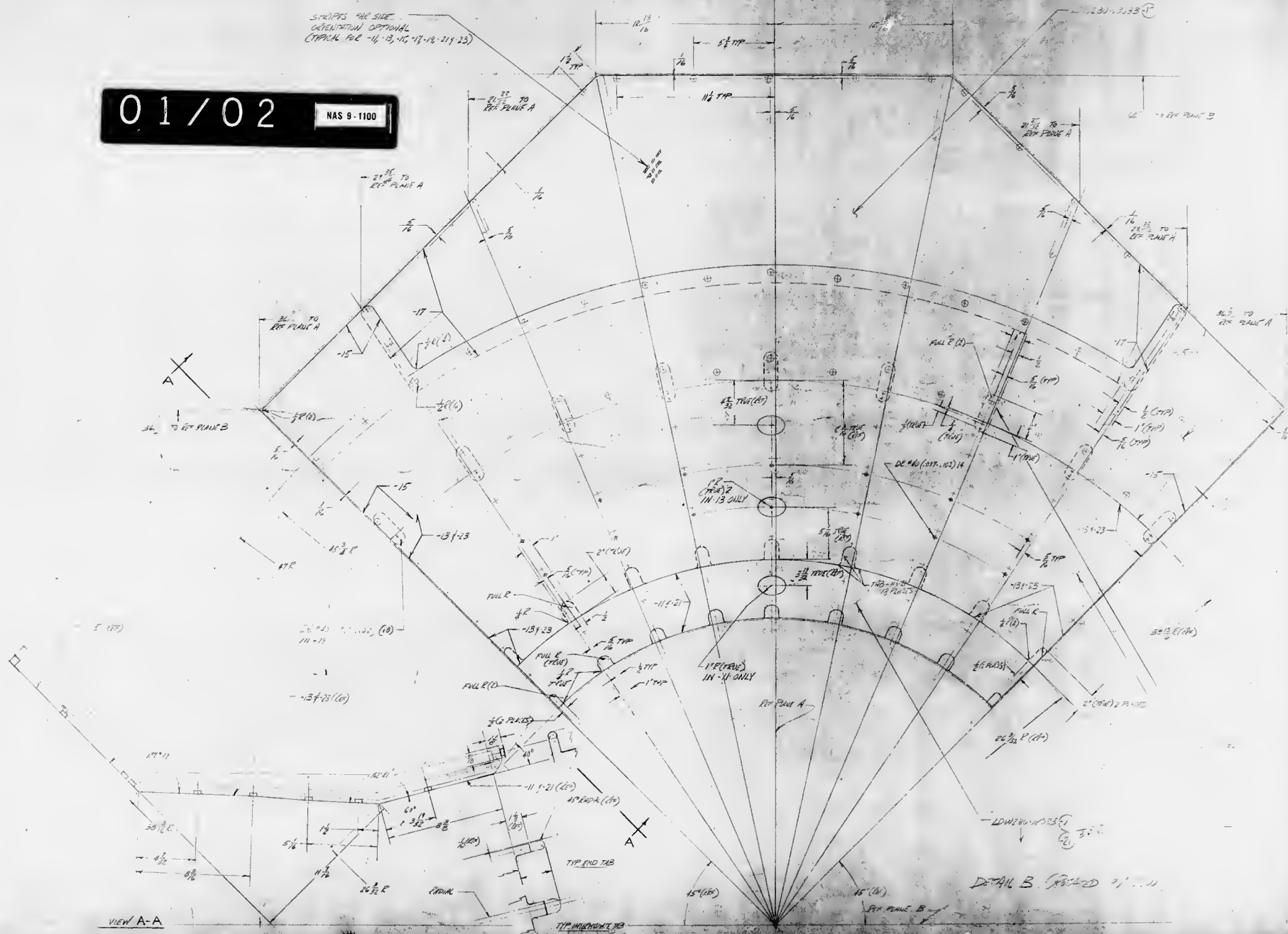


NAS 8-1100

01 / 02

NAS 9-1100

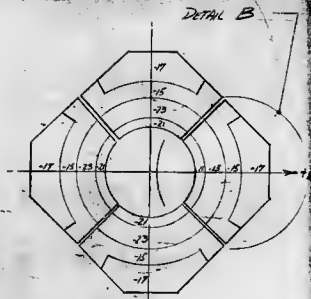
STRIPES FAR SIDE -
ORIENTATION OPTIONAL
(TYPICAL FOR -11, -13, -15, -17, -19, -21 & -23)



7-275

31033(17)

- [illegible]



FOR ENGRS SET ONLY
VIEW LRG DN

02/02

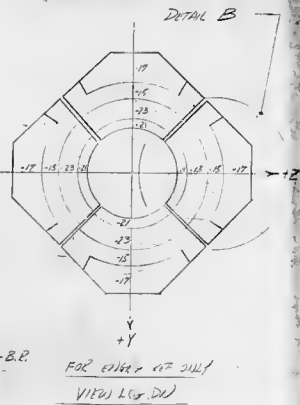
NAS 9-1100

CLASSIFICATION		CLASSIFICATION		CLASSIFICATION	
UNCLASSIFIED		UNCLASSIFIED		UNCLASSIFIED	
DATE 10/1/80		DATE 10/1/80		DATE 10/1/80	
BY J		BY J		BY J	
26512		26512		26512	
LDW80-18033		LDW80-18033		LDW80-18033	
10/1/80		10/1/80		10/1/80	
10/1/80		10/1/80		10/1/80	

THIS IS AN ORIGINAL DRAWING

- NOTES:
1. LAYOUT RELEASE - TO BE REDRAWN ON PRODUCTION FORMAT.
 2. ALL INFORMATION NOT READ FOR -H -13, -15, -17, -19, -21 & -23 IS FOR REFERENCE ONLY.
 3. CRACKING OF PAINT AT BOWS IS PROBABLE.

MANUFACTURING OPERATIONS	
UNLESS OTHERWISE SPECIFIED, NOTES CHANGES & APPLICABLE TO THIS DRAWING.	
THEY SHOULD	BE USED
AND ALL OTHER MARKINGS	IN WORKING DRAWINGS
USE WITH CARE AS NECESSARY.	
PLATE AND RING CORNER	RADIUS
AND TOLERANCES	
AND TO SIZE $\pm .005$	
AND TO SIZE $\pm .005$	
OVER .250	$\pm .005$
DEPTH SHOWN FOR TAPPED	HOLES IS FINAL, THUS, 2.0 DIA. 1.9975
BEYOND PERMISSIBLE.	
EXTENDING THROUGH LENGTH	SHOWN EXCEPT
2. PROTECT THROAT AREA	
DO NOT CANNON PLATE A FEW	HOLES ON SURFACES MARKED
WITH DOUBLE LETTERS.	
MINIMUM STEP OF $\pm .005$	PERMISSIBLE FOR TO CHANGE
OF LIFTING AT THESE	INTERSECTING SURFACES.
DIAMETER MARKED	MUST BE CONCENTRIC WITHIN
READING	FILE INDICATOR
HOLES MUST BE KEPT FREE OF	CHROME PLATING SOLUTION.
ALL DIMENSIONS SHOWN TO 11 SET	AFTER CHROME PLATING.
THICKNESS OF PLATE SET IN	TO ONE SIDE, AND TOLERANCE
TO BE ONE ON THREADED AREA	NO ALLOWANCE FOR PLATING IS
HOLES	
SURFACE FINISHES	INCLUDING BEAMED FILES
FOR ALL UNFILED FILES	
REMOVE ALL BURNES	FROM ALL EDGES AND JOINTS
INSPECTION INFORMATION	BEFORE PROCEEDING
ATTENDING LONG DISTANCE	BEAMED
IS	
SYMBOLS, & IDENTIFY SURFACE	TO BE MACHINED
UNLESS OTHERWISE SPECIFIED	TOLERANCE OR FINISHES IS $\pm .005$
LENGTHS OF ALL WELD AND ALL	WELDS SHORTER THAN 1 INCH ARE
NOT SPECIFIED.	
TOLERANCE ON LIFTED	VOLUMES 12



02/02

NAS 9-1100

DESIGN	DATE	BY	CHKD	APP'D
J	26512	LDW200-18033		
SCALE	1/2"			

THIS IS AN ORIGINAL DRAWING

H.G.
END 221 REV 3-42

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512

ENGINEERING ORDER

DWG. NO. LEO280
CONTROL INFO NO. LM-2-3386
EO NO. 578

IN MODEL BLOCK DELETE LM-4(34)THRU LM-15(45) EFFECTIVITY FROM THE DRAWINGS AND THEIR NOTED DASH NUMBERS WHICH ARE LISTED BELOW FOR NEXT ASSEMBLY LDW280-54791 ONLY.

DRAWING NUMBER	DASH NO.	CHANGE NO.	TITLE	EFFECTIVITY
LDW280-17999	-11	A7	SEE DRAWING	**
↓	-18085	-25	B1	**
↓	-18088	-11	B1	**
↓	-18052	-11f-15	B3	**
↓	-18064	-13	A10	**
LDW280-18101	-15f-21	A6	SEE DRAWING	**

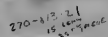
** DENOTES LM-4(34) THRU LM-15(45) EFFECTIVITY

* DENOTES APPLICABLE DASH NUMBERS IN DESCRIPTION OF EO

DETAIL SPEC REQ		CL. TO ENGRG CHG		CL. X ENGRG CHG			
SEARCH FOR EO				DESCRIPTION OF EO			
PARTS ARE NOT REQUIRED. USAGE RESTRICTED TO EARLIER VEHICLES				FOR DASH *, DELETED LM-4(34)THRU LM-15(45) FOR NEXT ASSEMBLY LDW280-54791.			
MODEL		EFFECTIVITY		DRAWING CHANGE REQ		DISPOSITION OF PARTS	
LM		NOTED		NEW/REV		DATE	
				RECORDS		EVALUATION	
				C		NOTED	
				DRAWING TITLE		DRAWING NO.	
						LEO280	
						EO NO. 578	
ISSUED BY: LIAISON J. MALONEY 9/16/67 X3604				SECTION: V.D.I		GROUP NO. 335 PL. 25	

01

NAS 9-1100



ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-01-2001 BY 60322 UCBAW

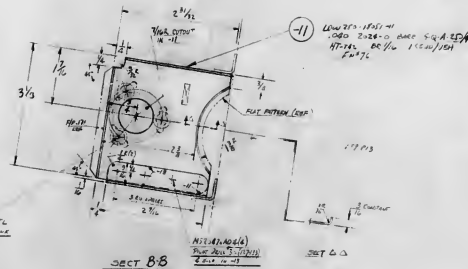
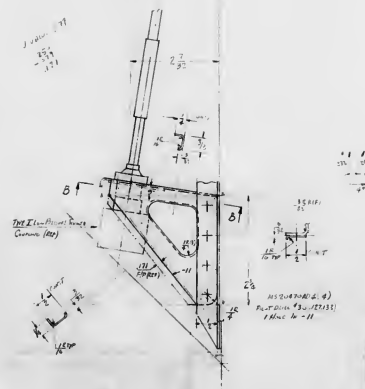
15081-082M0

		CHRYSLER AIRCRAFT ENGINE CORP. DETROIT, MI, 48201	
		UNIT	UNIT NO.
H		26512	LDW280-18051
LEAD			
CHRG. IN CH	DATE	FULL	DATE



WAS 9-1100

CHRYSLER AIRCRAFT ENGINE CORP., DETROIT, L. I., NEW YORK	
ITEM	QNTY
H	26512
LDW280-18051	
LEM	
QTY	300



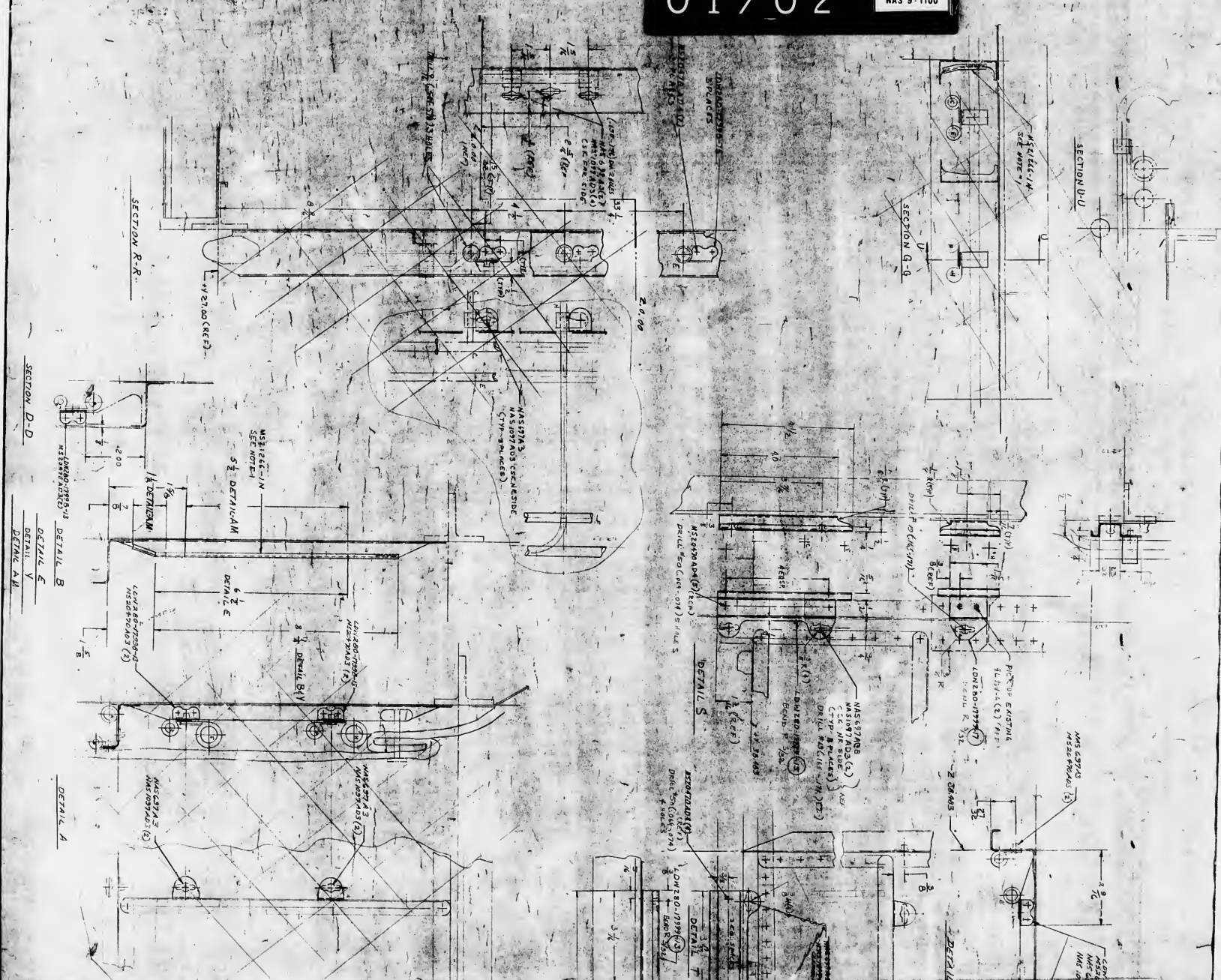
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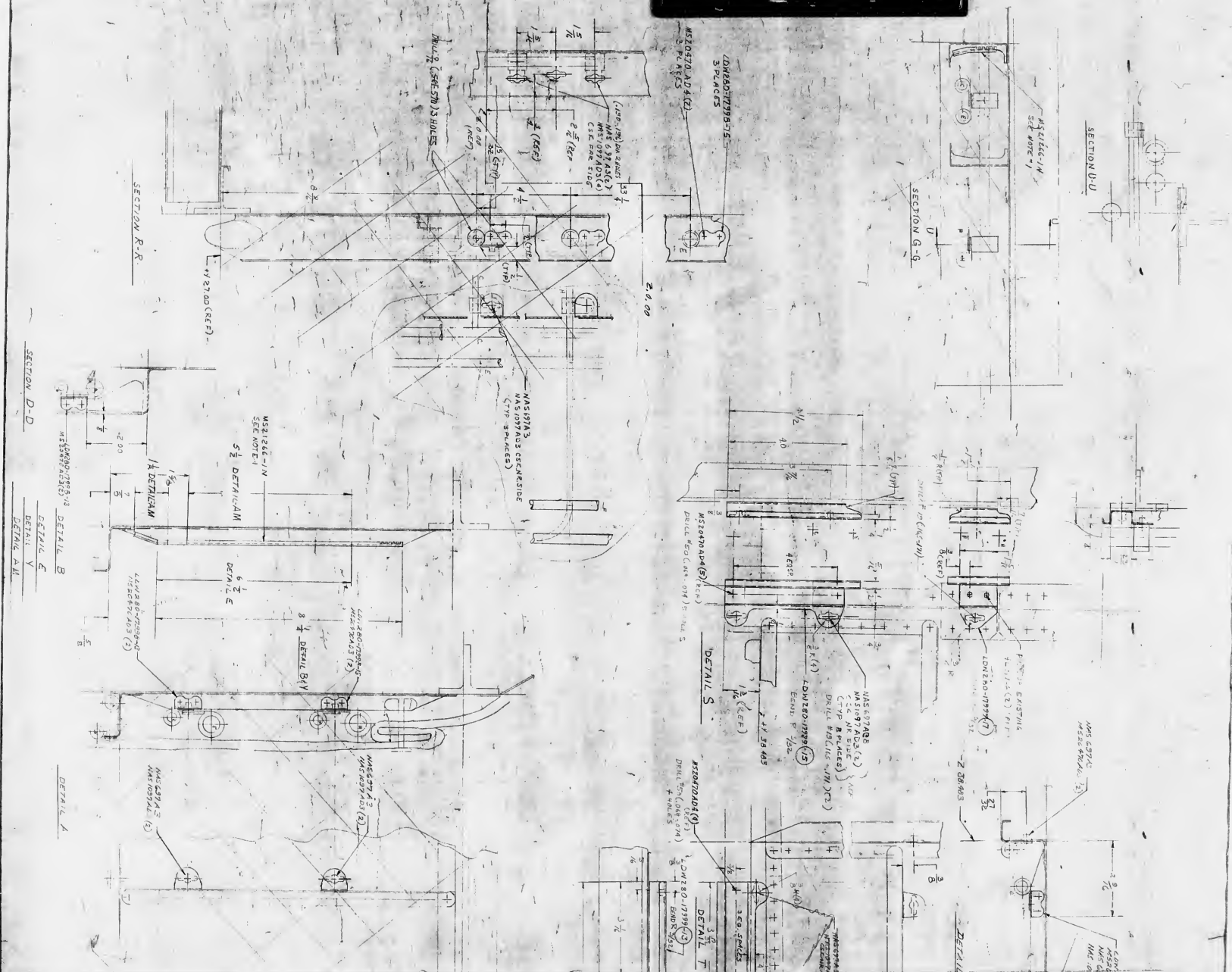
Platt Not Loc. d.
1. DENSE WHITE
Dense Pink Blush

		GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK	
	SIZE	CODE IDENT. NO.	
	H	26512	LDW280-18051
LEM			
MODEL OR END ITEM	SCALE	Full	SHEET 350

LAYOUT RELEASE
TO BE REDRAWN ON PRODUCTION
FORMAT
ALL INFO NOT RECD FOR MFG OF
LOW 880-18051 IS FOR REF ONLY

NAS 9-1100





1. DRAWING TITLE: OPERATIONS	2. DRAWING NUMBER: 02/02
3. DRAWING DATE: 1998-11-11	4. DRAWING SCALE: 1/2" = 1'-0"
5. DRAWING SHEET: 1 OF 1	6. DRAWING STATUS: REVISED
7. DRAWING REVISION: 1	8. DRAWING REVISION: 2
9. DRAWING REVISION: 3	10. DRAWING REVISION: 4
11. DRAWING REVISION: 5	12. DRAWING REVISION: 6
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17. DRAWING REVISION: 11	18. DRAWING REVISION: 12
19. DRAWING REVISION: 13	20. DRAWING REVISION: 14
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39. DRAWING REVISION: 33	40. DRAWING REVISION: 34
41. DRAWING REVISION: 35	42. DRAWING REVISION: 36
43. DRAWING REVISION: 37	44. DRAWING REVISION: 38
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91. DRAWING REVISION: 85	92. DRAWING REVISION: 86
93. DRAWING REVISION: 87	94. DRAWING REVISION: 88
95. DRAWING REVISION: 89	96. DRAWING REVISION: 90
97. DRAWING REVISION: 91	98. DRAWING REVISION: 92
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02/02

NAS 9 1100

SECTION F-F
ED 35' GGN
SECTION K-K

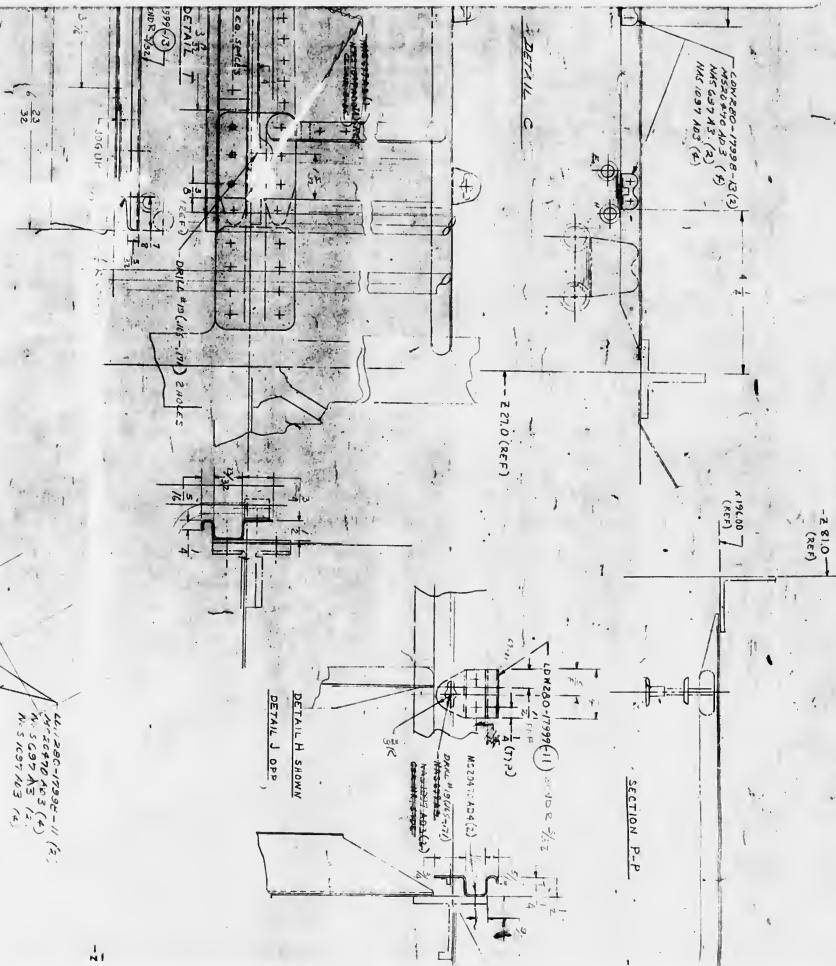
SECTION L-L

SECTION H-H SHOW

DETAIL H SHOW
DETAIL J DFP

SECTION P-P

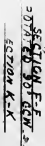
DETAIL C



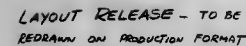
OWG DATE 40 *

POST 11/8/191=

NAS 9 - 1100



COLUMBIAN ASSOCIATED FINANC CORP BELT-PAGE 1 L NEW YORK					
DATE	CLEAR DATE NO.				
K	26512				
TOTAL			Total		
TOTAL OF TWO TITLES					



CHANDLER SECURITY SYSTEM CORP., DETROIT, L. I. DIVISION	
MR. H	26512 LDW280-18058
DATE OF ORDER	DATE OF DEL.

GRUMMAN AEROSPACE CORPORATION

CODE IDENT NO. 26512

ENGINEERING ORDER

DWG. LDW200	ED NO. E6
NO. 18065	
CONTROL	
INFO NO. LDW250C 1352	

SMD 22.1 REV 3-68

IN FID, BM #1/B

RESTRICT -53 CLIP EFF: LM-13(43) & LM-14(44) WAS LM-10(40) THRU LM-14(44)

DETAIL SPEC REQ		CL 2 CHANGE CHG		CL 3 CHANGE CHG		✓ LC05797 PK6 50	
REASON FOR EO				DESCRIPTION OF EO			
TO CLEAR LREA ELEC. LINE				IN FID, BM #1/B RESTRICTED -53 CLIP EFF: LM-13(43) & LM-14(44) WAS LM-10(40) THRU LM-14(44)			
MODEL	EFFECTIVITY	QUANTITY	DISPOSITION OF PARTS	APPROVED BY	DATE	REVISION	ED NO.
LM LFM 666	LM-10(40) & LM-11(41)	✓	53	3/1/71	3/1/71	3/1/71	3/1/71
	LM-12(42)						
PRIORITY	C	REMARKS	CLIPS - THERMAL SHIELD ~ CORNER POST	GROUP NO.	PL.	GROUP NO.	PL.
3/1/71		ISSUED BY R. CLARK/G. HANSMANN 8-7232	SECTION VDI	GROUP NO. 0385	PL. 025		

0.1

NAS 9-1100



LEO 280 10/49
 DWG NO. LDW/POE 7768
 ENGINEERING ORDER
 FOR #: N/A LDW280-60541 WAS LDW280-23541 FOR LM-10(40) THRU
 LM-14(44), ADD LTA-11(23) & LTA-3DR/1(460) EFFECTIVELY FOR N/A
 LDW280-60541 (QTY REMAINS THE SAME AS THAT OF LM-10(40)).

PART NO. #	DWG NOMENCLATURE	CHANGE NUMBER
LDW280-17419-11-12-13-14-17	SEE DWG	B4
-17746-11		A4
-17906-13		B3
-18066-11		A4
-18067-216-23		A5
-18638-1-2-3		A3
	SEE DWG	
LDW280-18688-19	SEE DWG	B6

DETAIL SPEC REQ ☐ CL 28 ENGNG DWG ☐ CL 28 PLNG DWG ☐ M/C/D 3-350 PKG 57 1-3 E4 (5)

REDESIGN OF LOWER DECK'S FOR & N/A LDW 280-60541 WAS LDW 280-23541 FOR LM-10(40) THRU LM-14(44) & ADDED LTA-3DR/1(460) & LTA-11(23) EFF.

MODEL	PROGRAMME ACTIVITY NO.	EFFECTIVITY	DATE UNIT NO.	REV. DATE UNIT NO.	DRAWING CHART NO.	DESCRIPTION OF PART	APPROVED BY	DATE	SUPP.	RELAS GROUP	GROUP LEADER	STATUS GROUP	INSTRUC GROUP	PROJ LEADER	ED NO.
LM			M/C/D(2) DTR			NEET BLND	VDI	19-19							
LM			LM-14(44) LTA-11(23)			RECHN									
LM			LTA-3DR/1(440)			PRIORITY									

NOTED LEO 280 10/49
 ISSUED BY TIENKEN/THORJUSEN X87000 7-30-65 SECTION VDI GROUP NO. 335

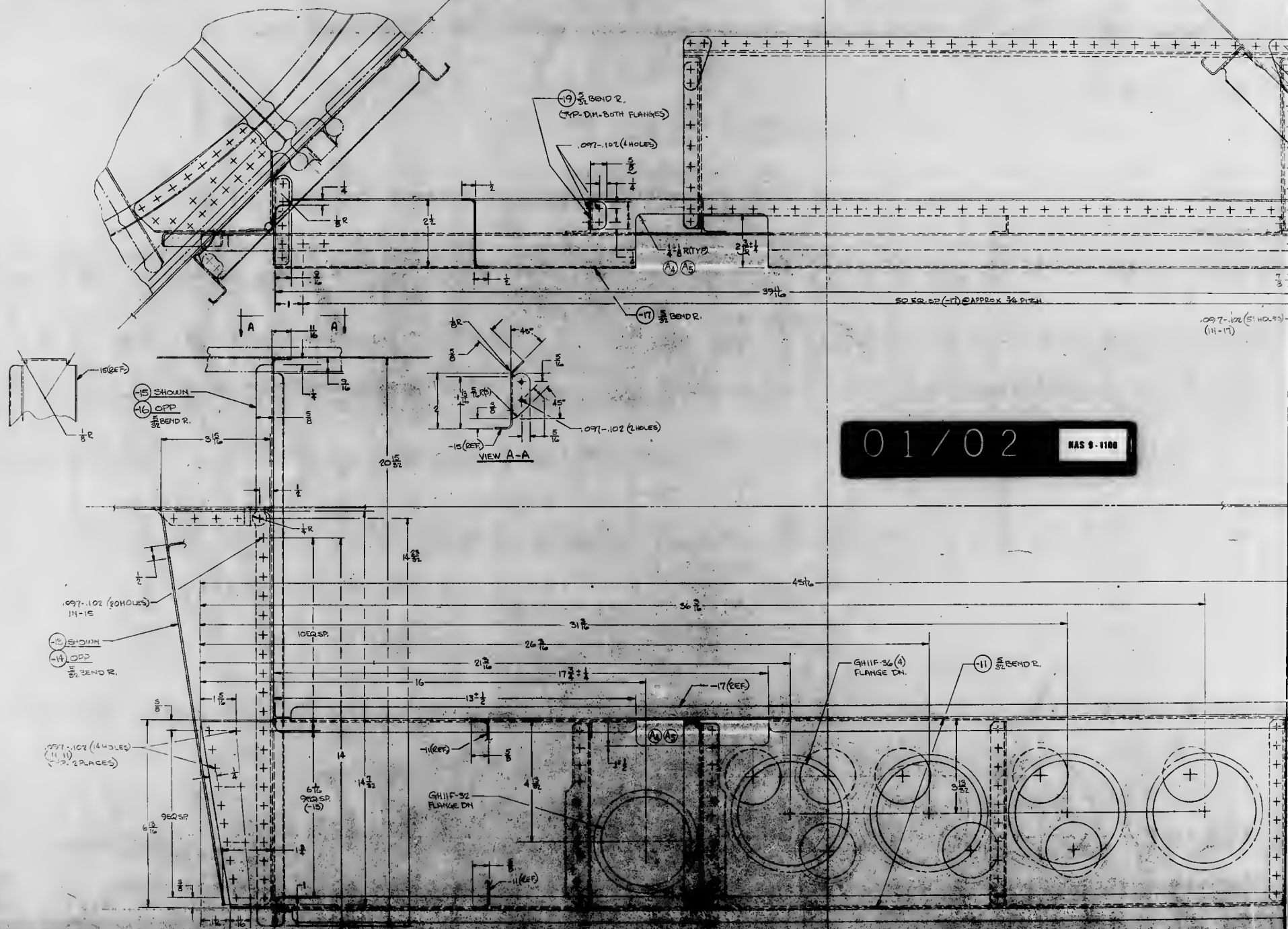
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NAS 9-1100

GRUMMAN AIRCRAFT ENGINEERING CORP. CODE IDENT. NO. 26512				DWG. NO. LEO 280		EO NO. 1676	
ENGINEERING ORDER				CONTROL INFO NO. LDW280B7745			
FOR *: N/A LDW280-60544 WAS LDW280-23544 FOR LM-10(40) THRU LM-14(44), ADD LTA-11(23) & LTA-3DR/1(460) EFFECTIVITY FOR N/A LDW280-60544 (QTY REMAINS THE SAME AS THAT OF LM-10(40)).							
PART NO. *		DWG NOMENCLATURE		CHANGE NUMBER			
✓ 1 DW280-17786-19		SEE DWG		B4			
✓ -17787-15-17				B4			
✓ -18066-13-15				A5			
-18067-19				A6			
LDW280-18068-15-17-19		SEE DWG		A4			
RETAIL SPEC REQ. <input type="checkbox"/> CL 28 ENGNG CHG <input type="checkbox"/> CL 28 ENGNG CHG <input type="checkbox"/>							
M LCD 3890 PKG 55 Pa. 1-3, 4- (5)							
REDESIGN OF LOWER DECK S. FOR EXTENDED PROP. TANKS							
FOR *: N/A LDW280-60544 WAS LDW280-23544 FOR LM-10(40) THRU LM-14(44), ADD LTA-11(23) & LTA-3DR/1(460) EFFECTIVITY.							
MODEL	PROCESSING ACTIVITY NO.	SALC UNIT NO.	SUB CONTR UNIT NO.	DESIGNING CHARGE PERS.	DISPOSITION OF PARTS	APPROVED BY	DATE
LM		LM(40) THRU		✓	NOT READ		8/16/69
LM		LM(40) LTA-11(23)			VDI		
LM		LTA-3DR/1(460)					
PRIORITY				NOTED		LEO 280	
10-16-69				7-30-69		PL 25	
ISSUED BY J. L. M. P. THORJENSEN X87222				SECTION VDI		GROUP NO. 335	

01

NAS 9-1100



01/02

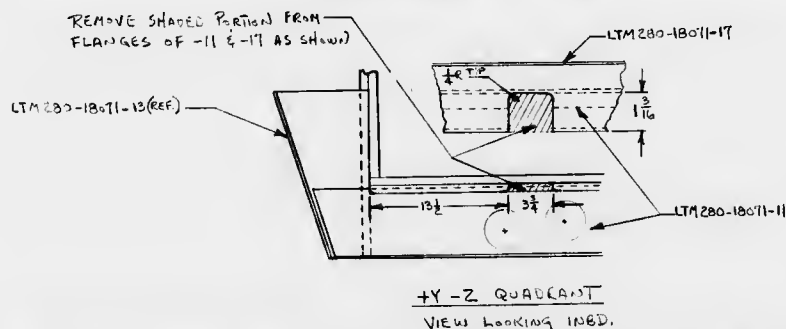
NAS 9-1100

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512

ENGINEERING ORDER

DWG. NO. LDM 280-18011	ED. NO. 14
CONTROL. INFO. NO. LDM 280-2697	

ENG 22.1 REV 3-69

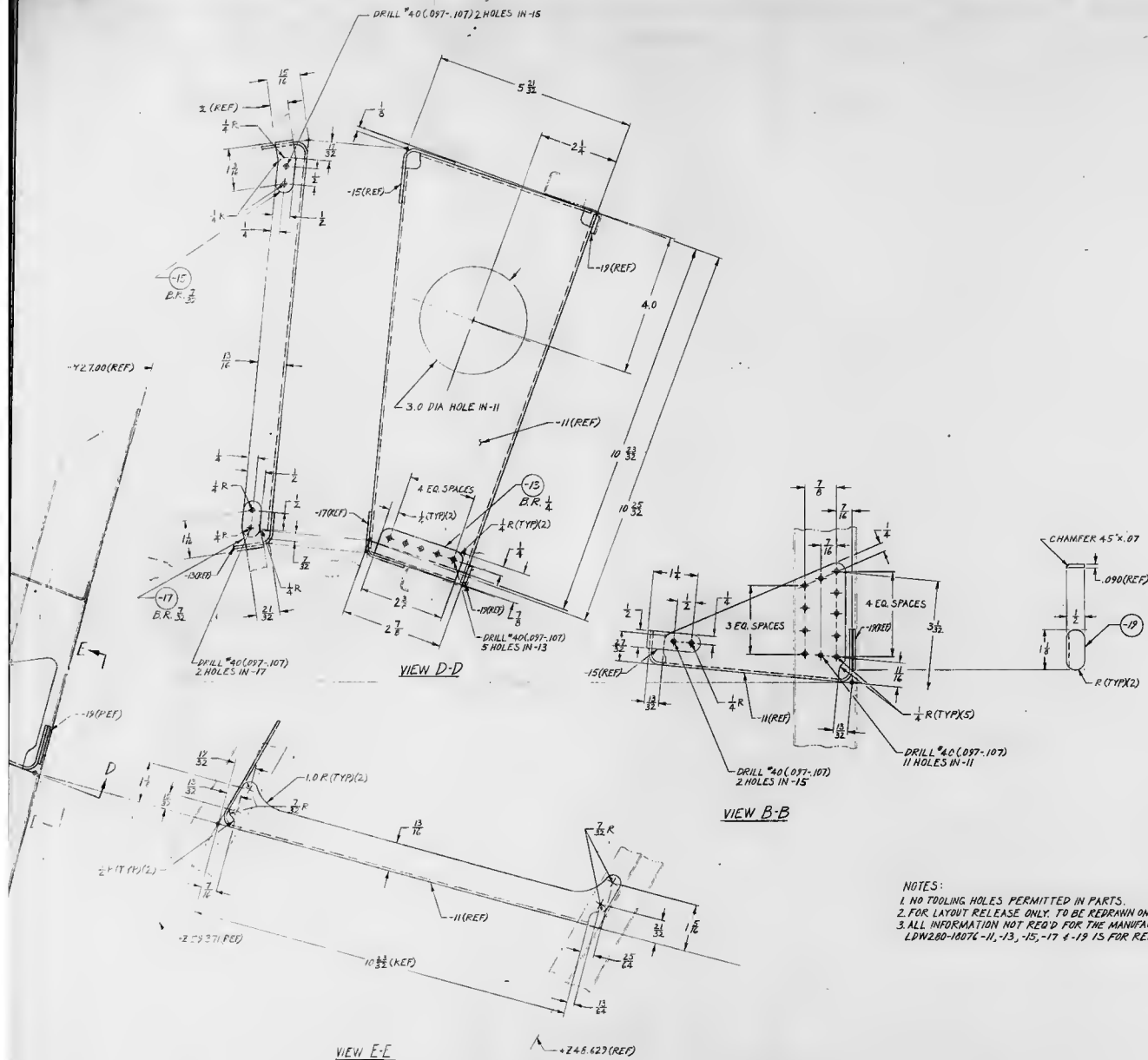


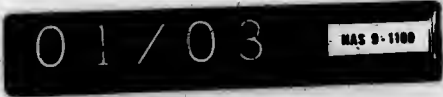
DETAIL BY: ONE		BY: TWO ONE		BY: THREE ONE		DESCRIPTION OF EO		DATE		BY		CHECKED	
TO PROVIDE CLEARANCE FOR SHE LINE.		ADDED CUTOUT TO -11 & -17											
EFFECTIVITY		REVISION		APPROVED BY		DATE		BY		CHECKED		DATE	
LM		LTA 5		DATE		BY		CHECKED		DATE		BY	
PRIORITY		C		DRAWING TITLE		LDM 280-18011		BY		CHECKED		DATE	
ISSUED BY: P. DUGAN		X5214		SECTION: DES. ENG. - MSC/W.T.C.		GROUP NO. 862		PL. 82					

01

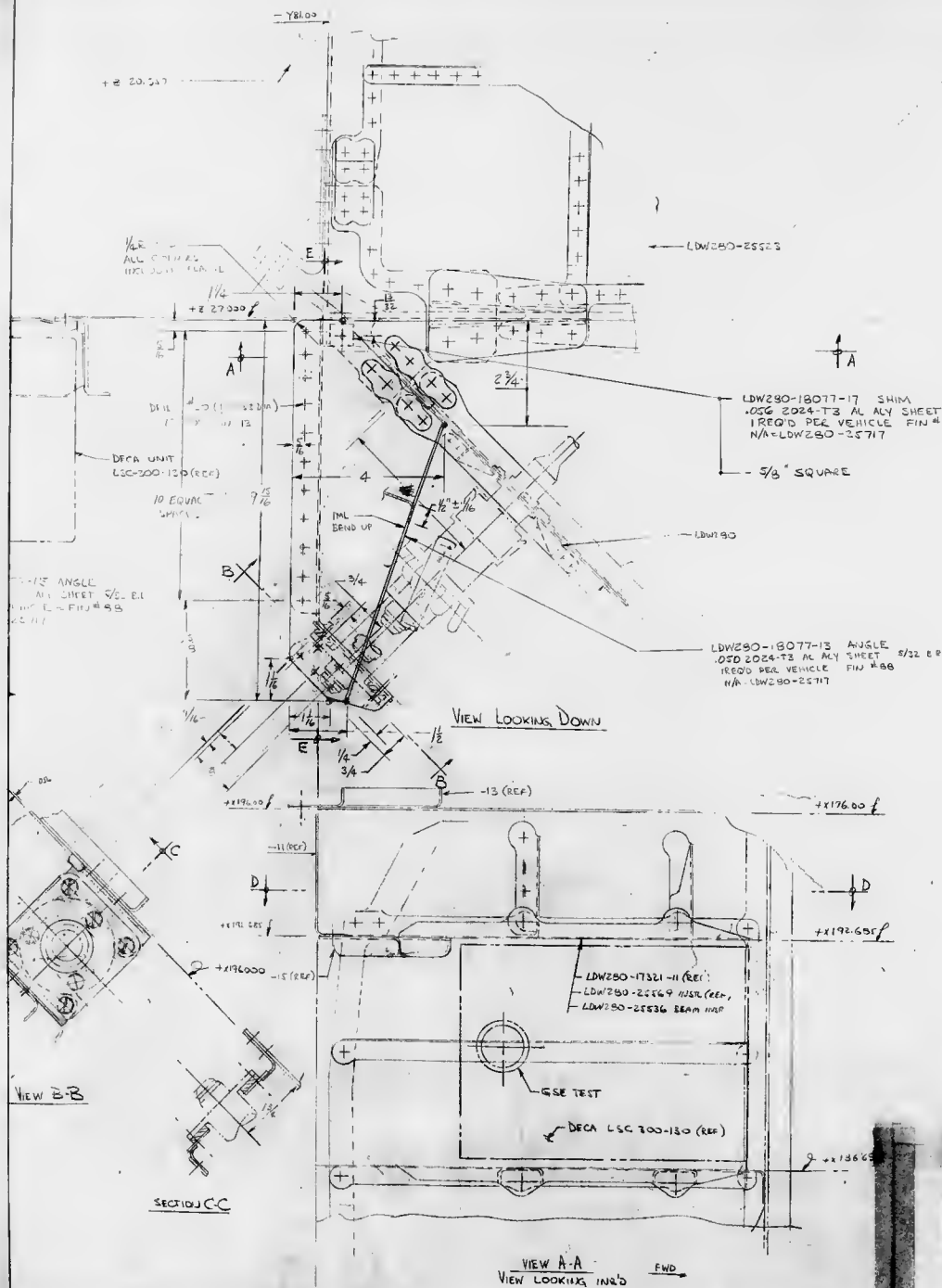
NAS 9-1100











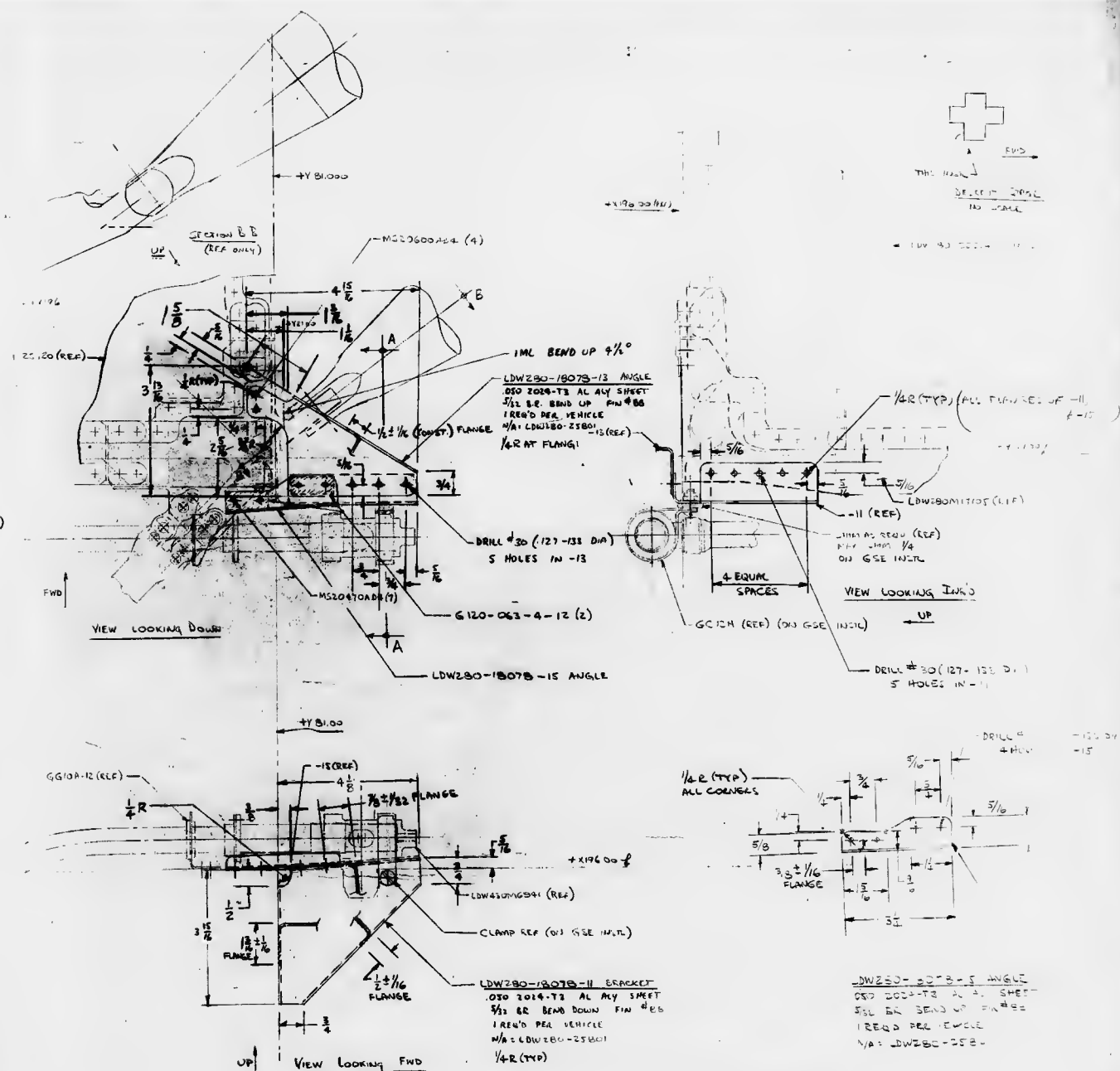
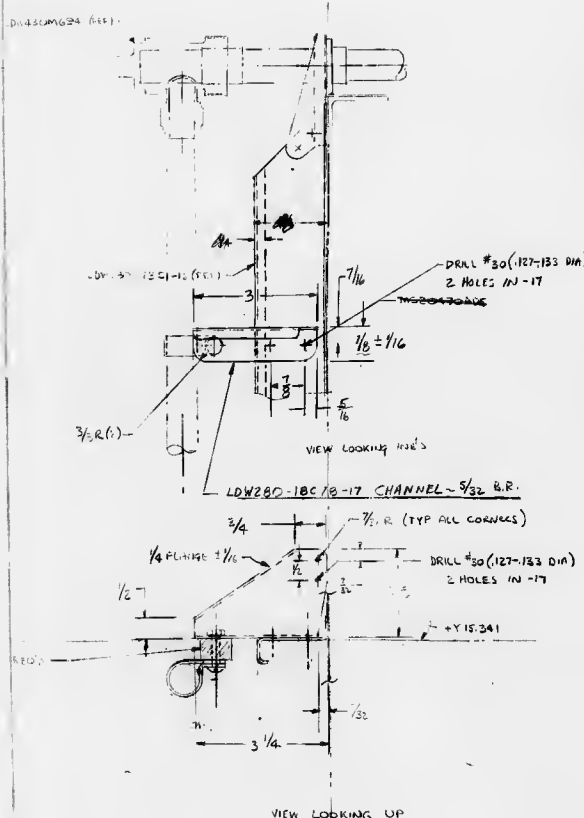
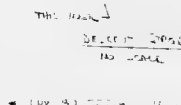
03/03 NAS 9-1100

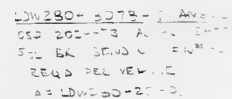
MANUFACTURING OPERATIONS	
UNLESS OTHERWISE SPECIFIED NOTES CHECKED ✓ APPLY TO THIS DWG.	
PART NUMBER	
AND ALL OTHER DIMENSIONS IN BRACKETED DIMENSIONS USE BOTH UNITS IF NECESSARY.	
FILLET AND INSIDE CORNER RADIUS TO MATCH JOINT JOINT TO MATCH JOINT OVER JOINT ± .005	
CORNER RADIUS (R) TYPED HOLE IS FILL THICK 3/4 IMP THICK BEFORE PERMISSIBLE	
EXTERNAL F. HEAD LENGTH SHOWN INCLUDES 2 IMPROVED THREADS MARK	
DO NOT CAMBION PLATE & PAINT HOLE ON SURFACES MARKED WITH DOUBLE HATCHES	
MINORITY STEP OF .005 PERMISSIBLE DUE TO CHANGE IN CUTTER AT INSIDE INTERSECTING SURFACES	
DIMENSION MARKING MUST BE CONCENTRIC WITHIN READING FULL INDICATOR	
HOLE MUST BE NEAT FREE OF CHROME PLATING SOLUTION.	
ALL DIMENSIONS SHOWN TO BE MET AFTER CAMBION PLATING THICKNESS OF PLATE .000 MIN. TO .000 MAX. HOLE THICKNESS TO BE JOINT OR THREADED AREA. NO ALLOWANCE FOR PLATING IN HOLES	
✓ SURFACE FINISHES INCLUDING BEARED HOLES PER MIL-STD-10	
✓ FOR ALL DRILLED HOLES	
REMOVE ALL BURRS BRASS ALL THICKS 3/8-1/2	
INSPECTION INFORMATION NUMBER PERMISSIBLE AVERAGE DIA. DIMENSION MAPED IS	
SYMBOLS & FINISHES SURFACES TO BE MACHINED	
UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIMENSIONS IS ± .005	
LENGTH OF DIM. HAS & HAS AL ALY PARTS SHORTER THAN 1 INCH ARE NOT SPECIFIED	
TOLERANCE ON LIFTED DECLARATIONS IS	

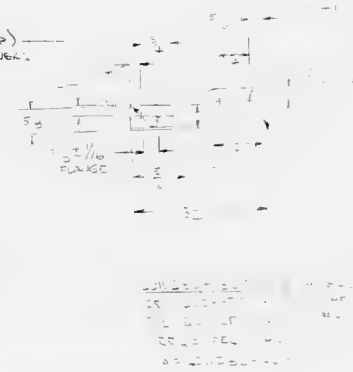
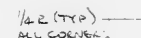
ALL DIMENSIONS NOTED HERE
MANUFACTURE TO BE REWORKED ON PRODUCTION

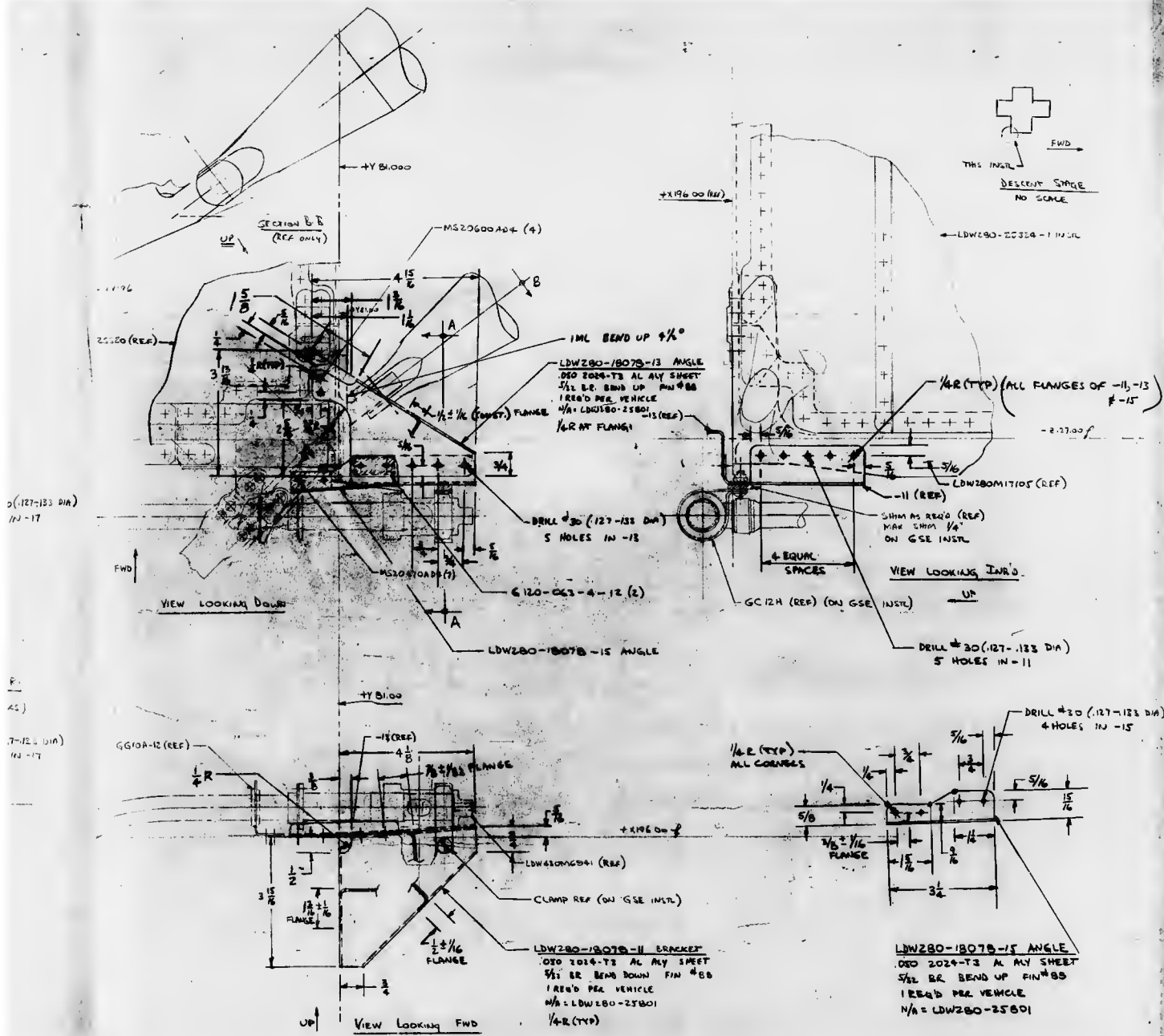
THIS IS A LAYOUT RELEASE
TO BE REWORKED ON PRODUCTION
FORMAT

SPEERMAN AIRCRAFT ENGINE CORP., BETHPAGE, L. I., NEW YORK	
DATE: 12/1/52	26512
MODEL: 100-100	LDW280-1801
SIZE: 1/2	1
DATE: 12/1/52	26512









MANUFACTURING OPERATIONS	
UNLESS OTHERWISE SPECIFIED NOTES CHECKED / APPLY TO THIS ONE	
AND ALL OTHER DIMENSIONS IN BRACKETED DIMENSIONS USE BOTH UNITS IF NECESSARY	PART NUMBER
FILLET AND THROU CORNER RADIUS DIMENSIONS DIM TO JOINT ± .010 DIM TO SURF ± .010 ONLY DIM TO JOINT	DATE
DEPTH SHOWN FOR TAPPED HOLES IS FULL THRU 2.5 HYP THRU ANYWAY PERMISSIBLE	REV
EXTERNAL THREAD LENGTH SHOWN UNLESS 2 IMPERFECT THREADS MAX	DATE
DO NOT CAMBION PLATE & PAINT HOLE OR SURFACE DIMENSIONS WITH DOUBLE ARROWS	DATE
INDICATE STEP OF .5 AND FORWARD OR TO CHANGE OF CUTTERS AT JUDGE INTERFACING SURFACES	DATE
DIMENSIONS SHOWN MUST BE CONSIDERED WITHIN TOLERANCE	DATE
HOLE MUST BE KEPT FREE OF CHIPS PLATING SOLUTION	DATE
ALL DIMENSIONS SHOWN TO BE MET AFTER CAMBION PLATING TOLERANCE OF PLATING MUST BE TO AND MAX. AND THICKNESS TO BE SHOWN ON THROU HOLES NO ALLOWANCE FOR PLATING BE HOLE	DATE
SURFACE DIMENSIONS INCLUDE REARDED HOLES FOR ALL DIMENSIONS	DATE
PER ALL DIMENSIONS	DATE
INSPECTOR INFORMATION DIMENSIONS POSSIBLE APPROXIMATE DIMENSIONS SHOWN	DATE
SYMBOL & IDENTIFY SURFACE TO BE MACHINED	DATE
UNLESS OTHERWISE SPECIFIED TOLERANCE ON DIMENSIONS IS ± 1/10	DATE
LENGTH OF ALL DIMS & HOLE AT RIGHT ANGLES TO SURF & HOLE ARE NOT SPECIFIED	DATE
TOLERANCE ON LATHE DIMENSIONS IS	DATE

ALL INFORMATION, NOT REQUIRED FOR
REPRODUCTION OF THIS DRAWING FOR REF ONLY

THIS IS A LAYOUT RELEASE
TO BE REDRAWN ON PRODUCTION FORMAT

02/02

NAS 9-1100

REVISIONS	
REV	DESCRIPTION
1	26512 LDW280-18078
2	
3	

LDW280-18078

MANUFACTURING OPERATIONS
UNLESS OTHERWISE SPECIFIED
NOTES CHECKED ✓ APPLY TO THIS DWG

AND ALL OTHER PARTS IN RECORD MARKED	PART NUMBER
USE BOTH SIDES IF NECESSARY	
FILLET AND INSIDE CORNER RADIUS TOLERANCES: DOWN TO SIZE ± .005 DOWN TO SIZE ± .010 OVER SIZE ± .005	
STP IS SHOWN FOR TAPPED HOLES IN THIS DRAWING. THE TAP LENGTH REMAINING	
EXTERNAL THREAD LENGTH SHOWN INCLUDES 2 IMPERFECT THREADS MARK	
DO NOT CADMIUM PLATE R PAINT TOLES OR SURFACES MARKED WITH INSIDE ANTI-RUST	
MINIMUM STP OF .075 PERMISSIBLE BUT NOT CHANGE OF CUTTING AS INDICATED IN THE SURFACES	
DIMENSIONS MARKED MUST BE CONCENTRIC WITHIN READING	
HOLE MUST BE HPT TYPE OF CORROSION PLATING SOLUTION	
ALL DIMENSIONS SHOWN TO BE MET AFTER CORROSION PLATING THICKNESS OF PLATE .001 IN. TO .002 IN. MAX. THICKNESS TO BE .002 IN. THICKNESS TO NO ALLOWANCE FOR PLATING IN HOLES	
SURFACE ROUGHNESS INCLUDING BLASTED HOLES PER MIL-STD-10	
FIN ALL DRILLED HOLES	
REMOVE ALL BURRS FROM ALL EDGES AND HOLES	
INSPECTION INFORMATION MINIMUM PERMISSIBLE AVERAGE LINE DISTANCE MARKED	
CONTRA DENOTES SURFACE TO BE MACHINED	
UNLESS OTHERWISE SPECIFIED TOLERANCE ON FINISHES IS ± .012	
LENGTHS OF ARE HAS A MAX AL AL HOLEY SHORTER THAN 1 INCH ARE NOT SPECIFIED	
TOLERANCE ON TAPPED DIMENSIONS IS	

LDW280-18078

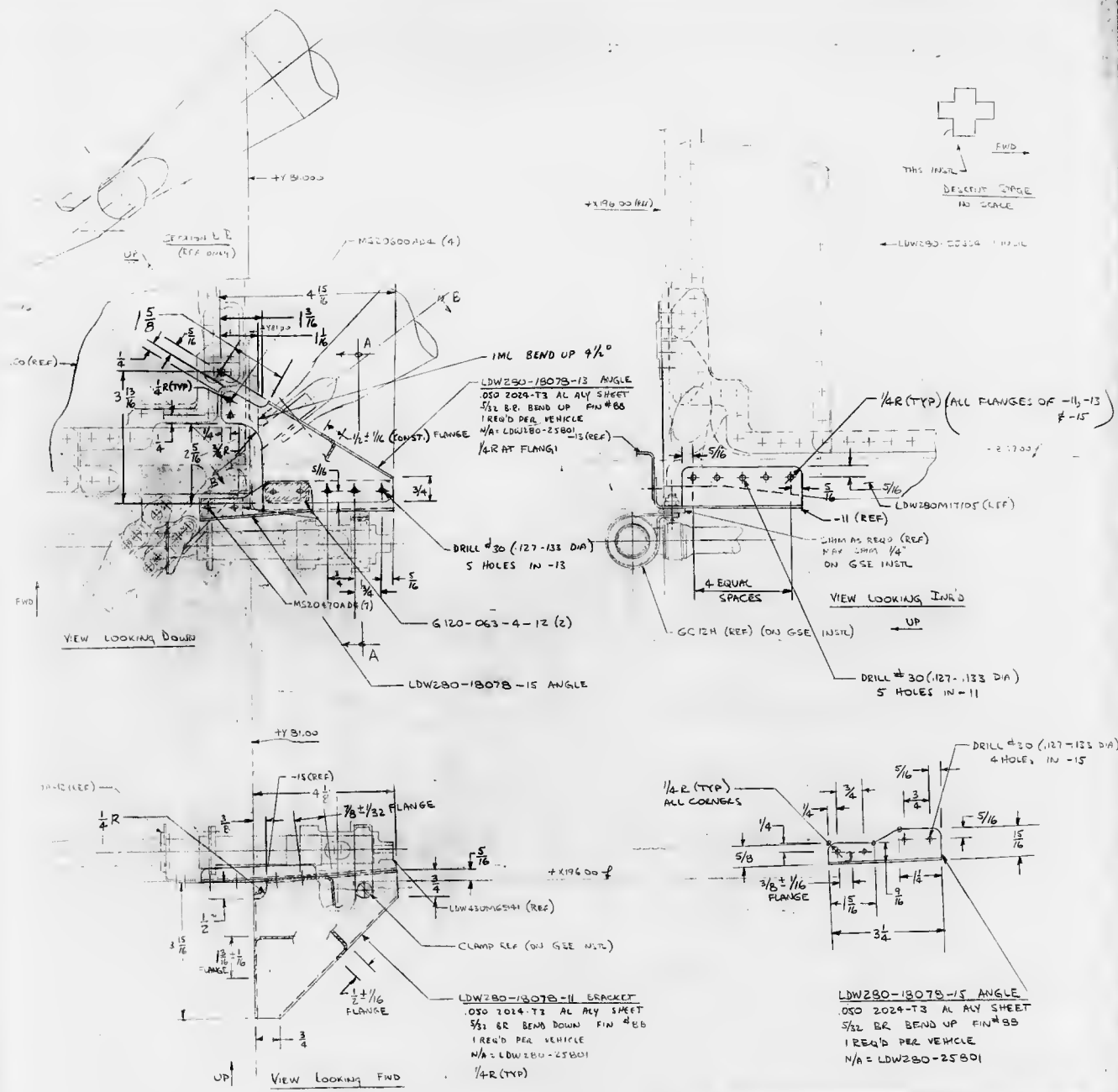
LDW280-18078

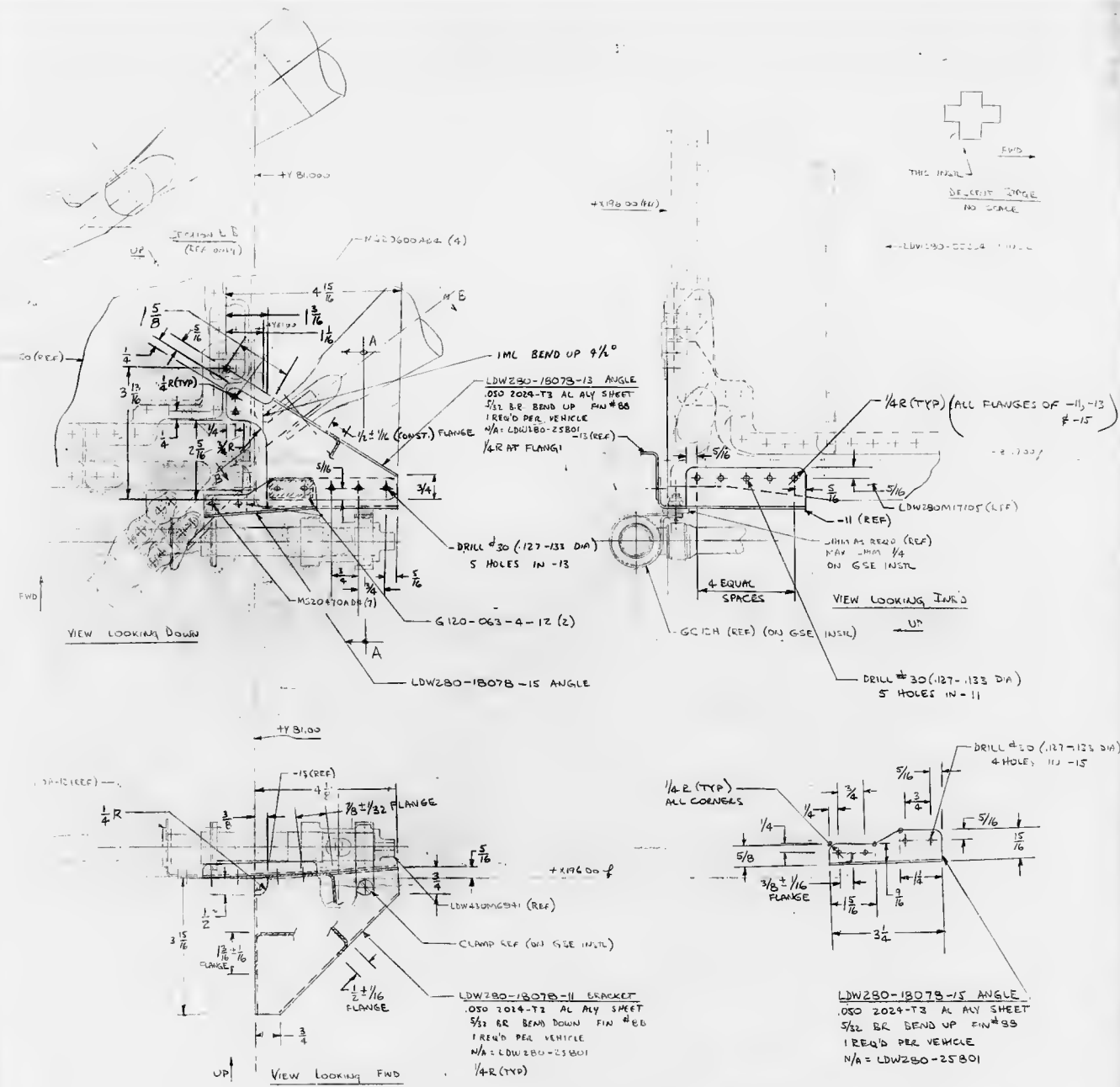
ALL INFORMATION IS TO BE
FOR THE USE OF THE
FOR THE USE OF THE

THIS IS A LAYOUT SHEET
TO BE RETURNED TO THE
FOR THE USE OF THE

02/02 WAS 9-1100

DATE	DATE	DATE	DATE
LDW	J 26512	LDW280-18078	
WORK ON THE	WORK ON THE	WORK ON THE	WORK ON THE





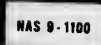
MANUFACTURING OPERATIONS	
UNLESS OTHERWISE SPECIFIED NOTES CHECKED ✓ APPLY TO THIS DWG.	
AND ALL OTHER DIMENSIONS IN POUNDS MARKED DIMENSIONS USE OTHER UNITS IF NECESSARY	PART NUMBER
THREE AND THIRTEEN CORNER RADIUS TOLERANCES R20 TO R50 ± .010 R50 TO R100 ± .015 R100 TO R200 ± .020	DATE
DEPTH SHOWN FOR TAPPED HOLES IS 1.5 TIMES 2.1 IMP THDS. BEYOND PERMISSIBLE	REV
EXTERNAL THREADED LENGTH SHOWN INCLUDES 2 IMPERFECT THREADED MAX.	DATE
DO NOT CADMIM PLATE & PRINT HOLES OR SURFACES MARKED WITH DOUBLE ASTERISK	REV
INTERMEDIATE STEP ON ± .005 PERMISSIBLE DUE TO CHANGE IN CUTTING AT THROAT	DATE
DIMENSIONS MARKED MUST BE CONSISTENT WITHIN TOLERANCE	REV
HILLS MUST BE KEPT FREE OF CORROSION PLATING SOLIDITY	DATE
ALL DIMENSIONS SHOWN TO BE MET AFTER CADMIM PLATING TOLERANCES OF PLATING SHALL BE TO .005 MAX WITH TOLERANCES TO BE USED FOR DIMENSIONS IN HILLS	DATE
SURFACE FINISHES INCLUDING BEVELS: HIRDS FOR MIL-STD-15	DATE
FOR ALL DRILLED HOLES	DATE
FINISH ALL BORDERS BRIAN ALL EDGES .015-0.02	DATE
INSPECTION INFORMATION MINIMUM PERMISSIBLE AVERAGE EDGE DISTANCE MARKED	DATE
EXTERNAL 2° OF THROAT SURFACE TO BE MAINTAINED	DATE
UNLESS OTHERWISE SPECIFIED TOLERANCES ON DIMENSIONS ARE ± 1/32	DATE
LENGTH OF DIM. HAS & WILL BE PLATES SHORTER THAN 1 INCH ARE NOT SPECIFIED.	DATE
TOLERANCE ON CUTTED DIMENSIONS IS	DATE

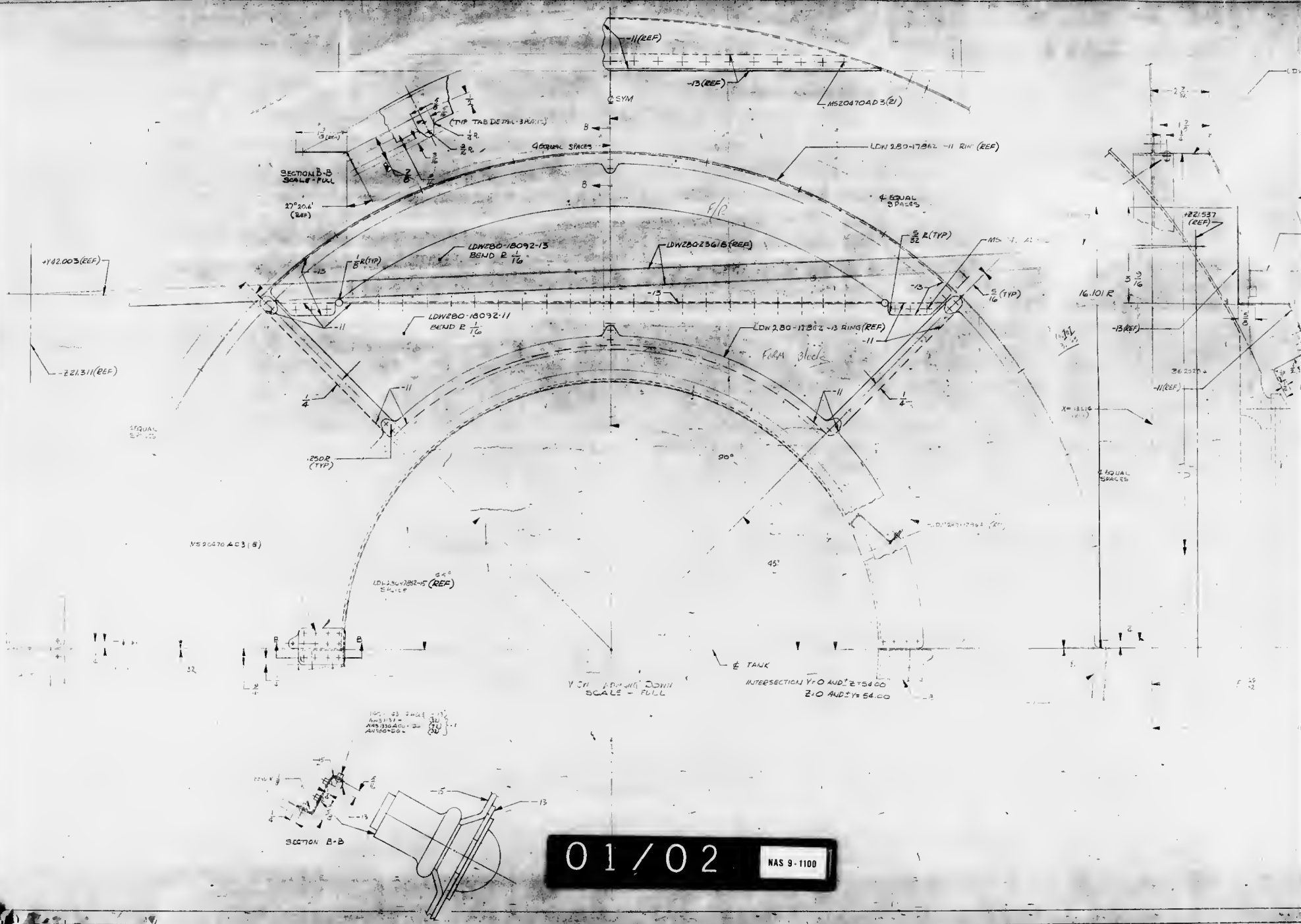
02/02

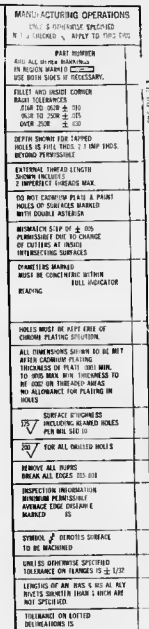
NAS 9-1100

COLUMBIAN AIRCRAFT ENGINE CORP., BETHPAGE, L. I., NEW YORK	
DATE	26512
REV	LDW280-1807B
MODEL OR ENG. VIEW	SCALE FULL
SHEET	1

LDW-35-1807B

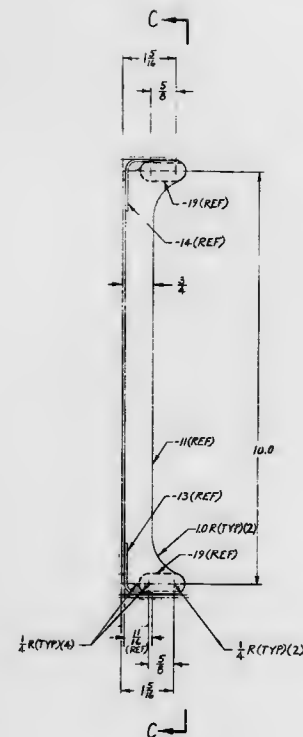






NAS 9-1100

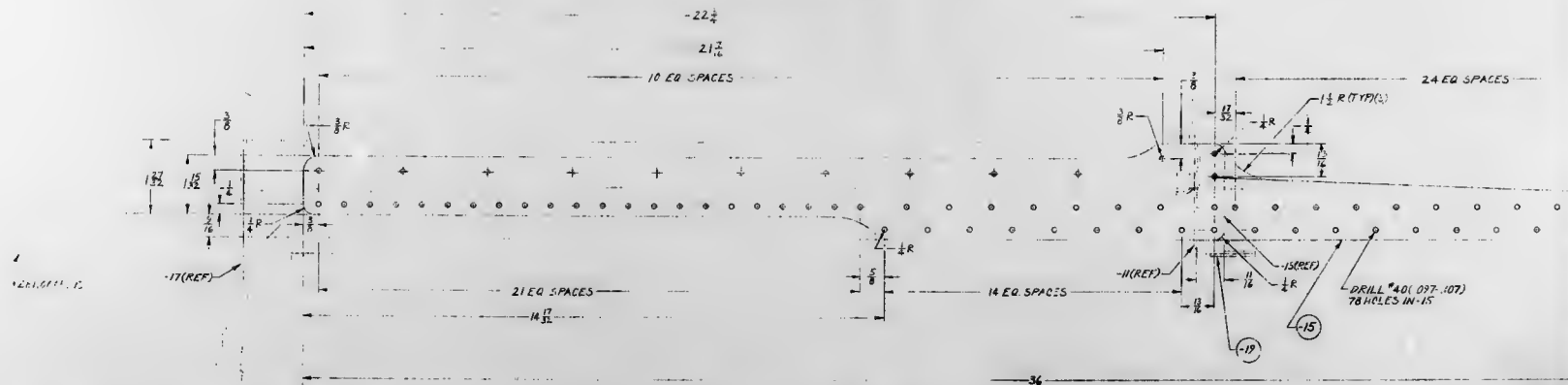
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	SIZE	CROSS SECT	
	J	26512	11-130-18002
DEM			
MODEL OR END ITEM	SCALE FULL		SHEET 22



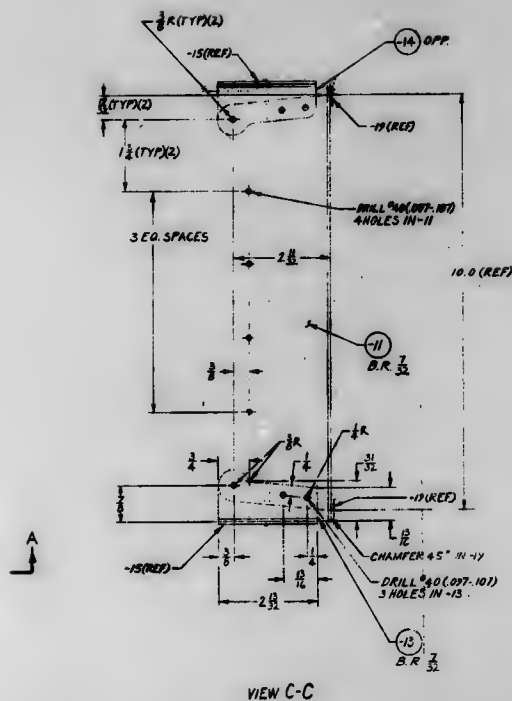
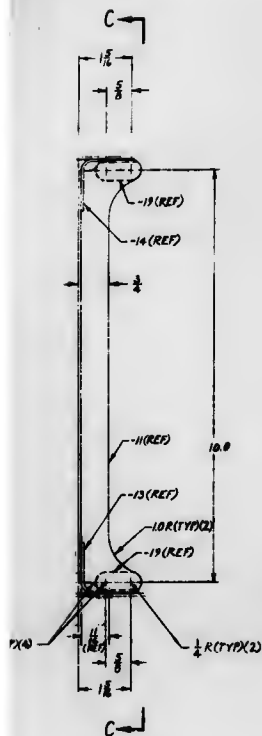
VIEW LOOKING INBD

01 / 02

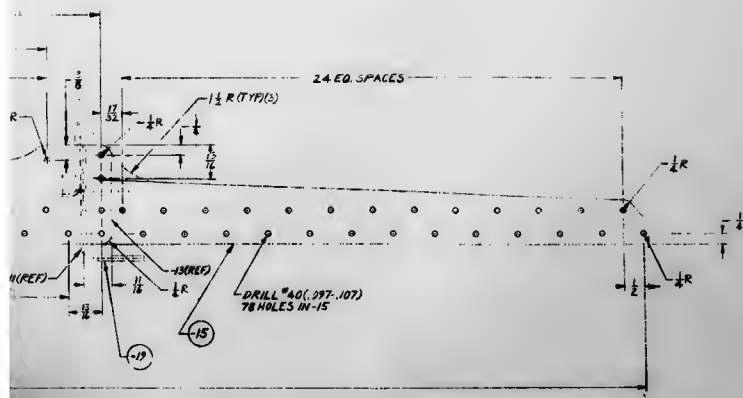
NAS 9-1100



VIEW A-A



VIEW C-C



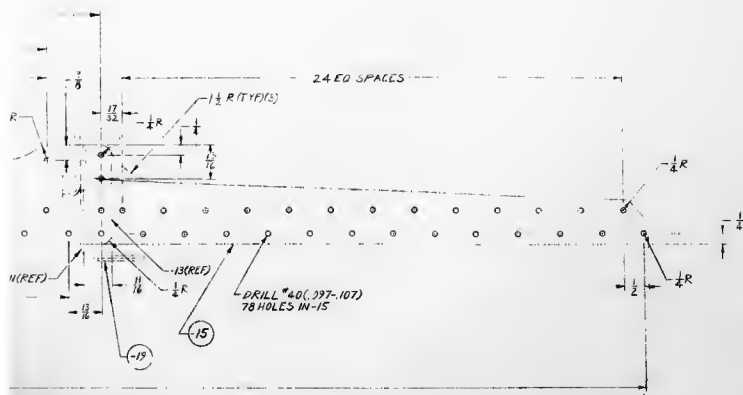
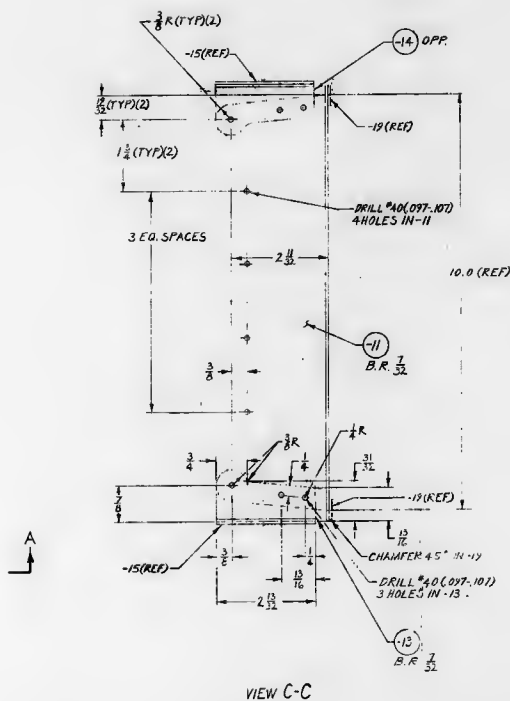
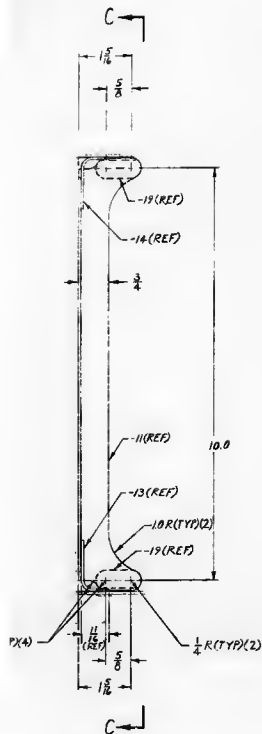
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO BE MANUFACTURED TO THE TOLERANCES SPECIFIED.
3. NO TOOLING HOLES PERMITTED IN PARTS.

MANUFACTURING OPERATIONS	
1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.	
2. ALL DIMENSIONS ARE TO BE MANUFACTURED TO THE TOLERANCES SPECIFIED.	
3. NO TOOLING HOLES PERMITTED IN PARTS.	
4. ALL DIMENSIONS ARE TO BE MANUFACTURED TO THE TOLERANCES SPECIFIED.	
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20. ALL DIMENSIONS ARE TO BE MANUFACTURED TO THE TOLERANCES SPECIFIED.	

MAS 0-1100

REVISIONS	
1	20002
2	LDN200-1003

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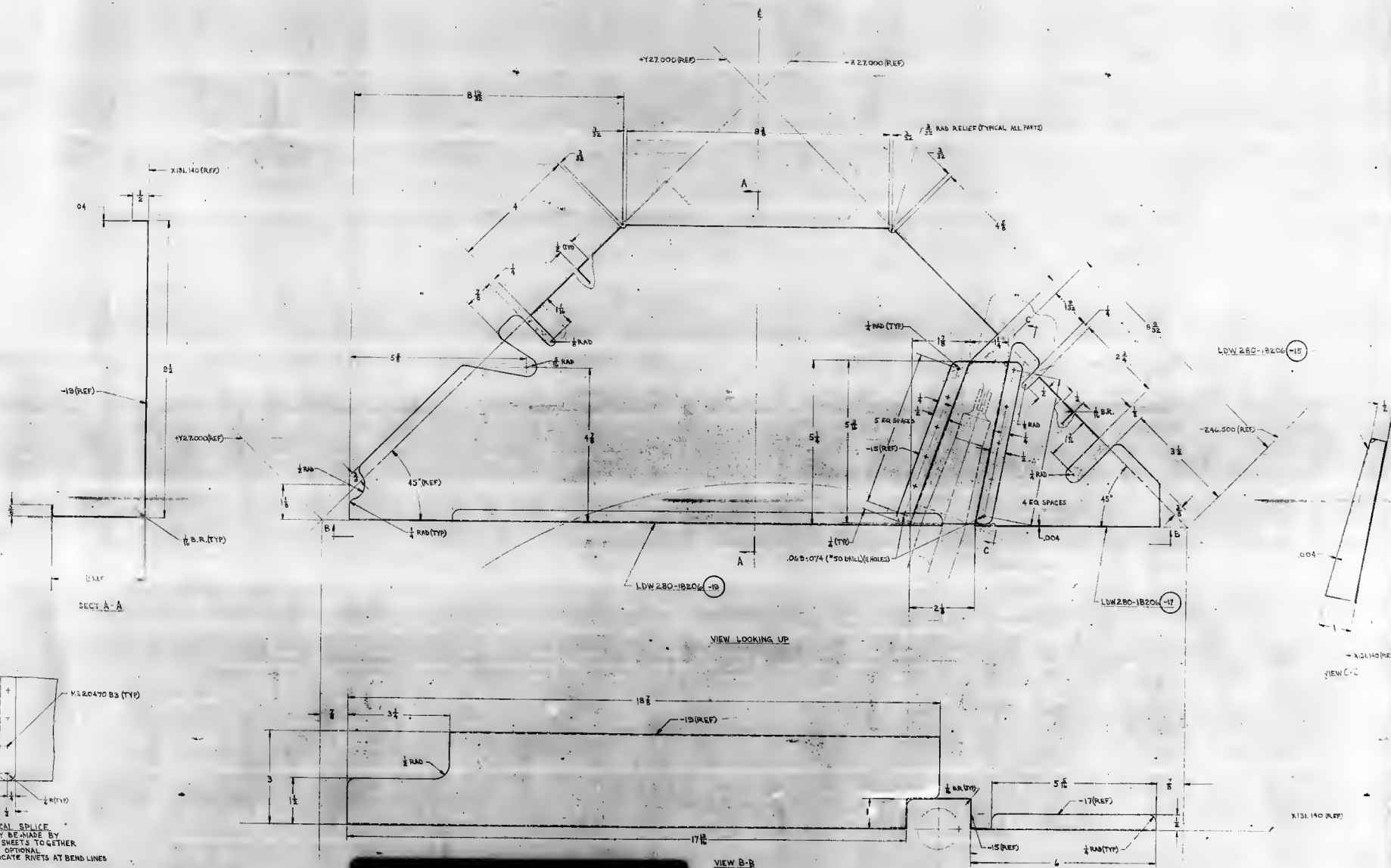
THIS DRAWING IS THE PROPERTY OF THE MANUFACTURER. IT IS TO BE USED FOR THE MANUFACTURE OF PARTS 18103-11, 13, 14, 15, 17 & 19 IS FOR REFERENCE ONLY. NO TOOLING HOLES PERMITTED IN PARTS.

MANUFACTURING OPERATIONS	
UNLESS OTHERWISE SPECIFIED	
NOTES CHECKED ✓ APPLY TO THIS DRAWING	
1. PART NUMBER	✓
2. ALL OTHER DIMENSIONS	
3. IN REVISIONS, DIMENSIONS	
4. USE BOTH SIDES IF NECESSARY.	
5. FLAT AND HOLE CORNERS	
6. RADIUS TOLERANCES	
7. HOLE TO JOIN 2.00	
8. HOLE TO JOIN 2.00	
9. OVER JOIN 2.00	
10. DEPTH DIMENSION FOR TAPPED	
11. HOLES IN THIN THICK 1.0 MIN THICK	
12. BEYOND PERMISSIBLE	
13. EXTERNAL CHAMFER LENGTH	
14. DIMENSION INCLUDES	
15. 1/2 HOLE TOLERANCE MAX.	
16. DO NOT CHAMFER PLATE & PART	
17. HOLES OR SURFACES BEARING	
18. WITH DOUBLE BEARING	
19. MISMATCH STEP OF 2.00	
20. PERMISSIBLE DUE TO CHANGE	
21. OF SURFACES AT THESE	
22. INTERSECTING SURFACES	
23. DIMENSIONS BEARING	
24. MUST BE CONCENTRIC WITHIN	
25. TOLERANCE	
26. HOLE MUST BE KEPT FREE OF	
27. CORROSIVE PLATING SOLUTIONS	
28. ALL DIMENSIONS SHOWN TO BE MET	
29. AFTER CHAMFER PLATING	
30. THICKNESS OF PLATE AND MAX.	
31. TO JOIN HOLE MIN. THICKNESS 1.00	
32. NO HOLE ON THREADED AREAS	
33. NO ALLOWANCE FOR PLATING IN	
34. HOLES	
35. SURFACE FINISHES	
36. INCLUDING BEARING HOLES	
37. PER MIL STD 11	
38. ✓ FOR ALL DRILLED HOLES	
39. REMOVE ALL BURRS	
40. BREAK ALL EDGES .005-.010	
41. INSPECTION INFORMATION	
42. DIMENSION PERMISSIBLE	
43. AVERAGE LINE DISTANCE	
44. MARKED	
45. DIMENSION 1/2 DIMENSION SURFACE	
46. TO BE MACHINED	
47. UNLESS OTHERWISE SPECIFIED	
48. TOLERANCE ON PLANNED IS ±.010	✓
49. LENGTH OF AIR HAS A MAX ALY	
50. HOLE'S SHORTER THAN 1.000 AND	
51. NOT SPECIFIED	
52. TOLERANCE ON LAPPED	
53. DESIGNATIONS IS	

02/02 NAS 9-1100

ORIGINATOR: AIRCRAFT ENGINE CORP., DETROIT, L. I., NEW YORK	
DATE	26512
REV	LDW280-18103
LEAD	
DATE OF REV	
DATE	
DATE	

THIS IS AN ORIGINAL DRAWING.

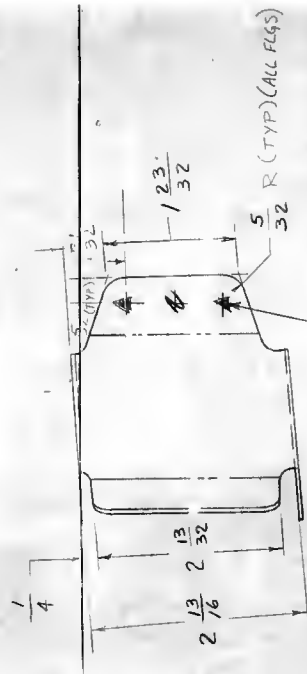


02/02

NAS 9-1100

LWS					
NOS					
NO	18	:	1		A
CONTROL INFO NO.	LDWZ80-8717				

LDW280-8917



Drill # 40 (.067-.071)

LDW280-1811-11 CHANNEL 2 HOLES

MAKE FROM

2024-0 ALA-54 (100) I&T-EXEMPT

BR 1/8 QQA-250/4

88N15 HTT92^{25/77} LT8(18)

N/A 25677 - IEA REQD FOR LIA3 (U)

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EOA, INITIAL RELEASE

PART MADE PER FN

ACCTING CHARGE	INVESTING OF PARTS	APPROVED BY	DATE
PARI MADE	PERO	NO	10/2

[illegible][illegible]

PRIORITY	CASE NO.	DRAWING TITLE	DRAWING NO.
	97-0863	CONCRETE WALL	100-100-100

GROUP NO.	
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SECTION _____ GROUP NO _____

NAS 9-1100

—SUBS. BY

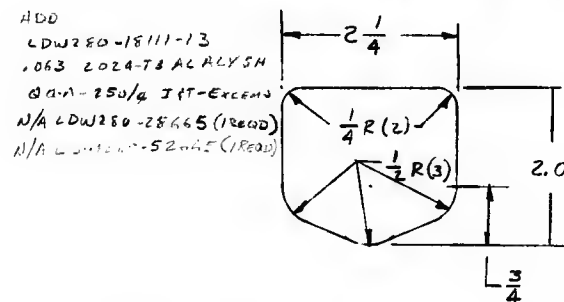
SECTION -

GROUP NO. 11

A.
ENG 221 REV 2-68

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512
ENGINEERING ORDER

OWE. LDW 280 NO. 15111	EO NO. A9
CONTROL INFO NO. LM 5-11683	



RELEASED BY LIAISON

DETAIL SPEC REQ		CL 2 ENGINE CHG		CL 2 ENGINE CHG				(5)	
REASON FOR EO TO FACILITATE INSLC 12 BEANKEE QUAD II				ADDED LDW 280-18111-13				DESCRIPTION OF EO ✓ SPEC ED INSLC C	
MODEL	PROCESSING ACTIVITY NO.	QACC UNIT NO.	QACC ENGINE NO.	ENGINE NO.	ENGINE NO.	ENGINE NO.	ENGINE NO.	ENGINE NO.	ENGINE NO.
LM	LM 1(34)	LM 2(32)							
PRIORITY C				CLIPS D/S - ENG. CODE - 2 THRU 1 INCL.				LDW 280-18111 A2	
ISSUED BY DON RAGAN				X 4454				SECTION VDI	
								GROUP NO. 335 P. 5	

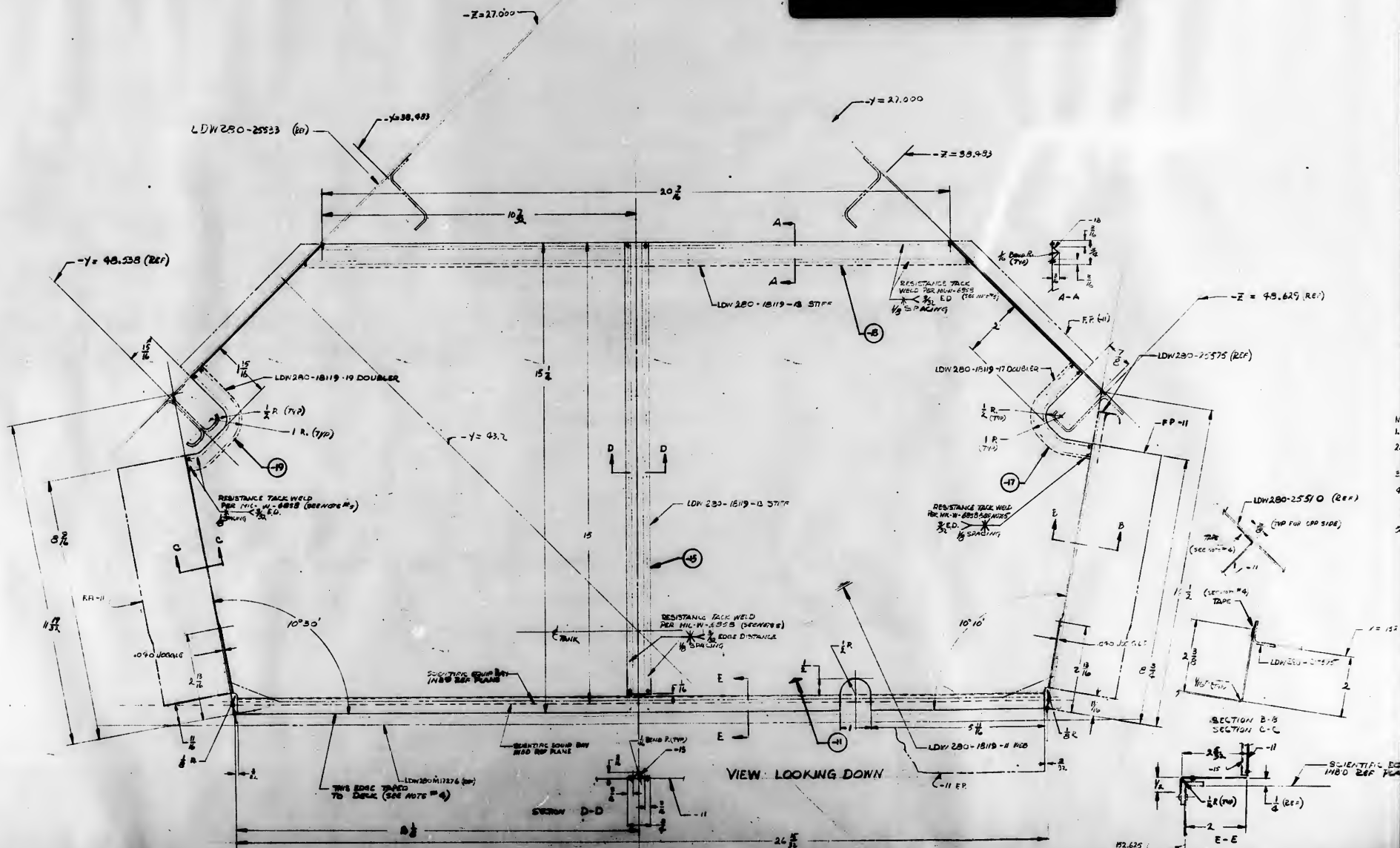


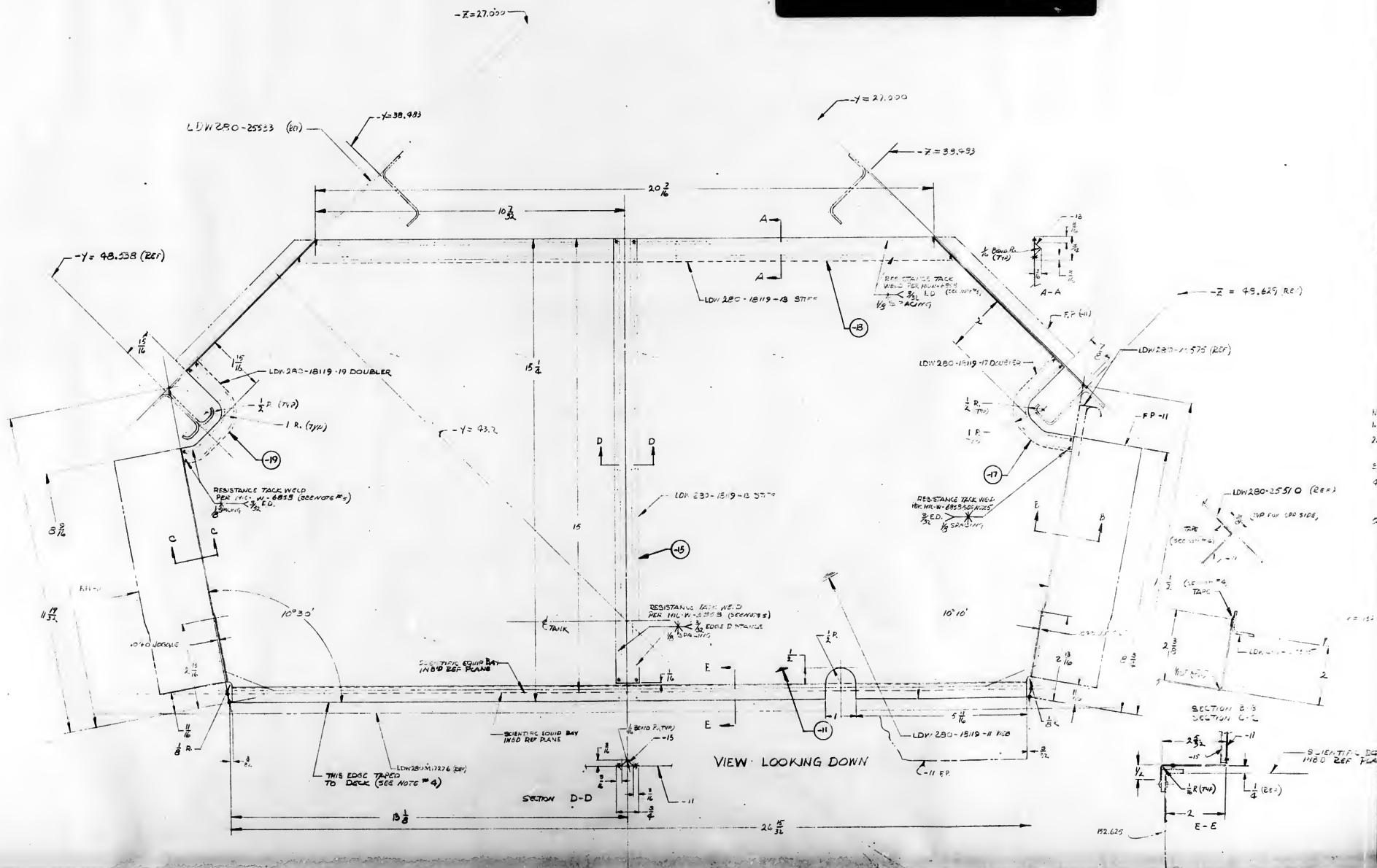
6208 77.2 7-02

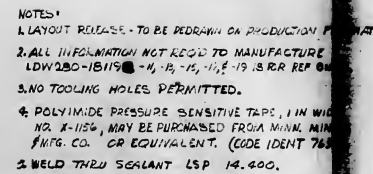
01

NAS 9-1100

WAS 0-1100





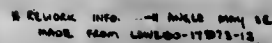


CHRYSLER CREDIT CORP., NEWARK, N. J., NEW YORK	
J	26512 LDW280-18119

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CD 11/14

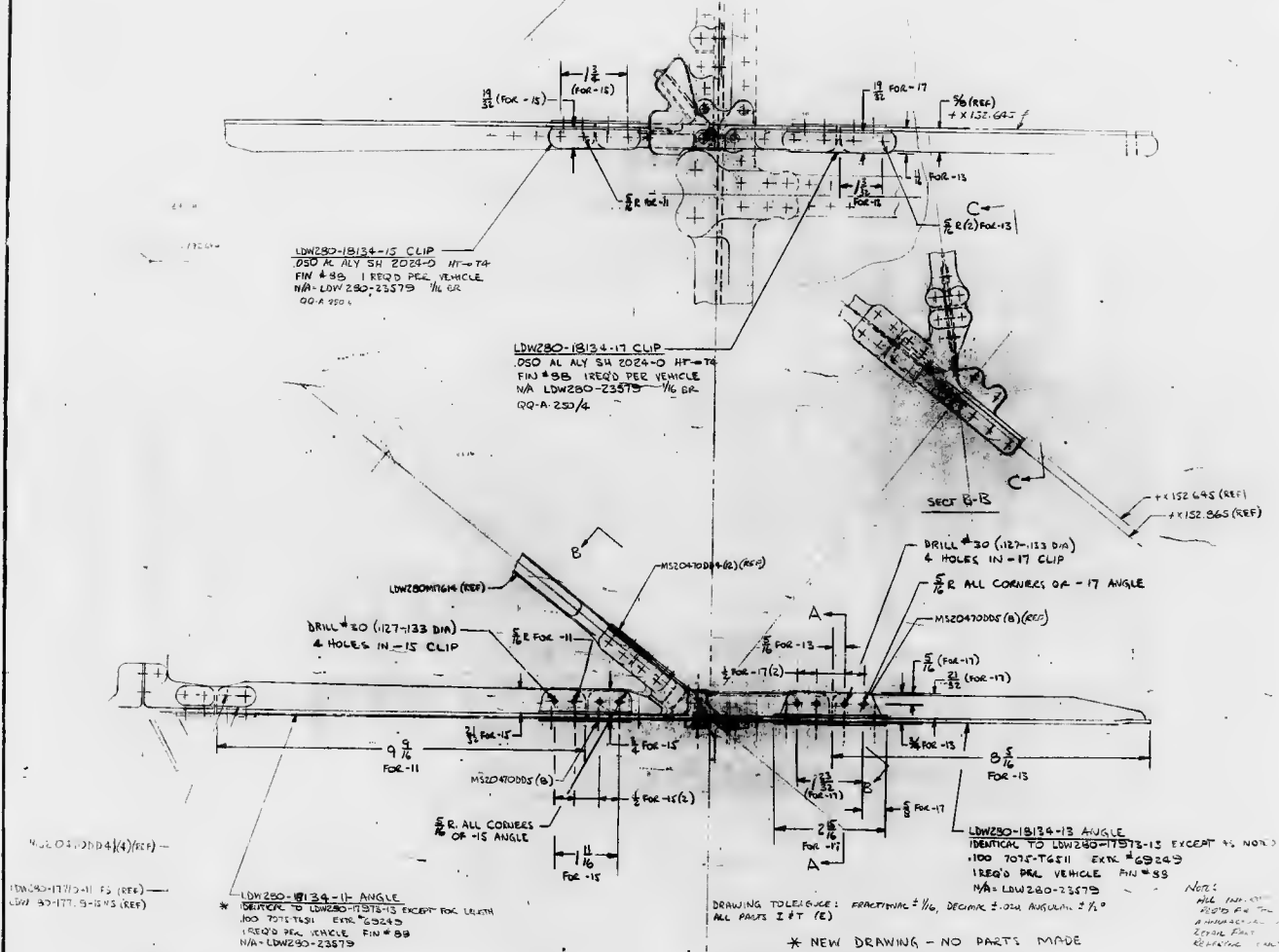
-11, -13 -15 ~~-17~~ AS NOTED

[illegible]

-11, -13 -15 & -17 AS NOTED

LDW-90-0-879 (RFR)

← LDWZBQ-22024 (CF.)



* REWORK INFO. -II ANGLE MAY BE
MADE FROM LDW230-17973-13.

01

NAS 9-1100

[illegible]

ENG 77.1 12-68

DATE	TIME	FILE NO.	FILE NO.	FILE NO.
SUPERSEDES LDW280-18144 N.C. 11-12-66				

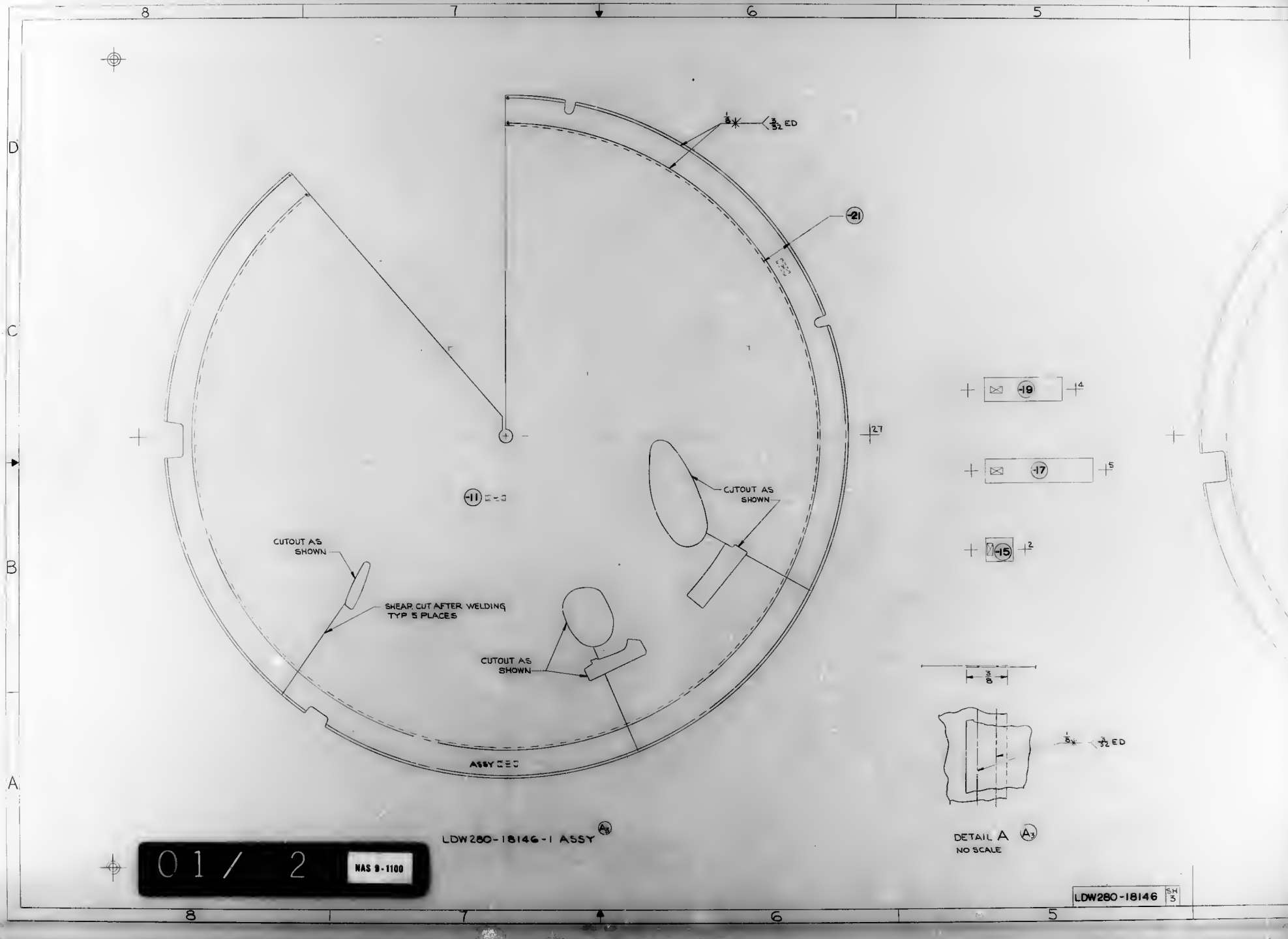
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NAS 9-1100

REVISIONS ETR CONTINUATION OF REVISIONS SEE SHEET

FORMER LTR ITEM NO	SHEET #	ZONE	GRUHAM INFO ONLY	DET SPEC	CLASS II	ENGRG ORDER	DESCRIPTION	EFFECTIVITY	DISPOSITION OF EXISTING PARTS		CHANGED BY AND DATE	ENGRG APTD (DATE APTD)
									REWORK	SCRAP		
							RETRACTED NO CHANGE LAST REV NO CHANGE LOFTED DWG WAS DIM DWG J. GRIECO 8-9-67					
	300						LEO 280-406 ADDED NOTE 1	LM-1 THRU LM-15	NOT REQD			
	10, 300 25 50 100 200 300	5A 7A	U	✓			REF LEO 280-406 ADDED DETAIL A REVISED -11-28 PER SHOP TEMPLATE, ON-11 RESTRICTED EFF WAS LM-1, LM-2 & LM-3, ON-25 RESTRICTED EFF WAS LM-1 THRU LM-15 ADDED-1 ASSY			-11 -23		
	200, 300 300 300						REMOVED-13 WAS EFF ON LM-4 THRU LM-15 ON-15 -17-19 & -21 REVISED EFF WAS LM-1 THRU LM-15 ADDED-3 ASSY -25 & -27			-5 -13-21		
	300						ADDED NOTE 2	LM-2 & LM-3 NOT REQD	NOT REQD			
			U	✓			LCD 2008 ADDED -3 ASSY & EFF LM-4 & LM-5 TO -15, -17 & -21 ADDED SH 4. ADDED -29, -31, -33 & -35	LM-4 & LM-5 NOT REQD	NOT REQD			
	100, 110 200, 300 400			✓			LCD 2008 N/F/D, B/M & MOD BLK REMOVED-3 ASSY, -31, -33 & -35 STRIPS, & SPOTWELD INFORMATION, ADDED -37 STRIP, NOTE 3 & DETAIL B	LM-4 LM-5	✓			

NAS 9-1100

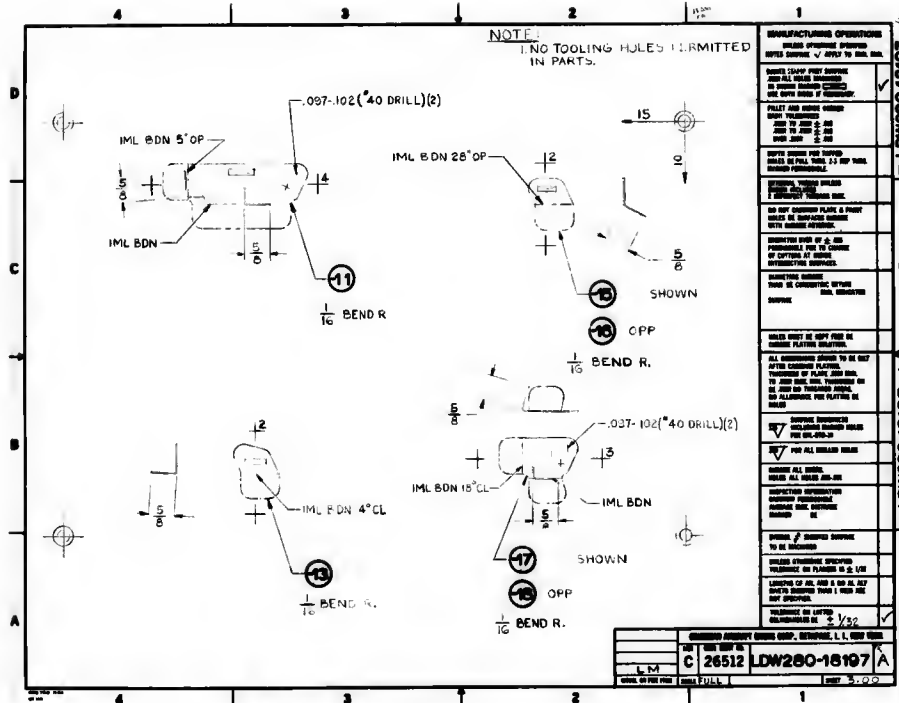


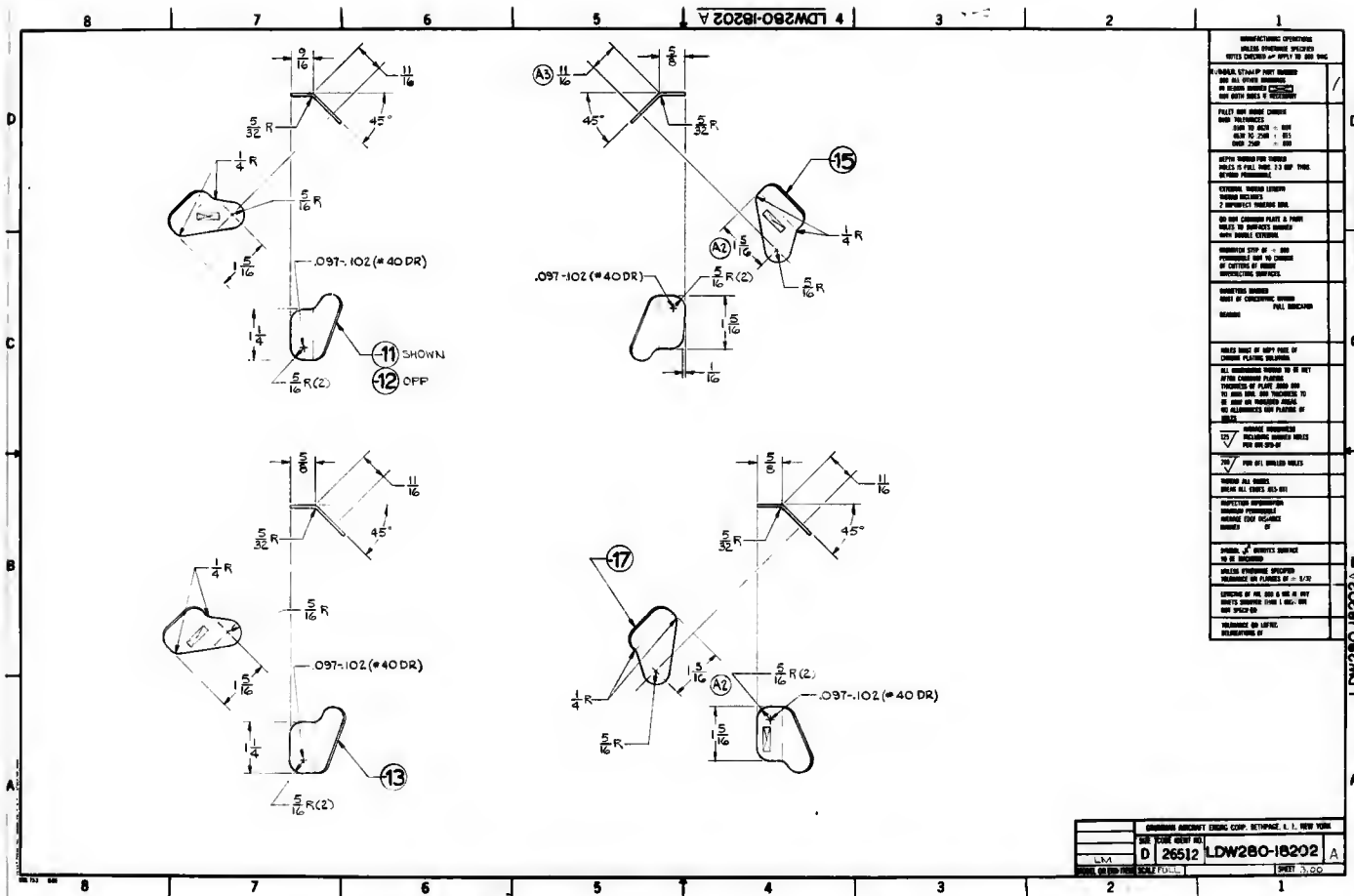
01 / 2
WAS 9-1100

LDW280-18146-1 ASSY

DETAIL A
NO SCALE

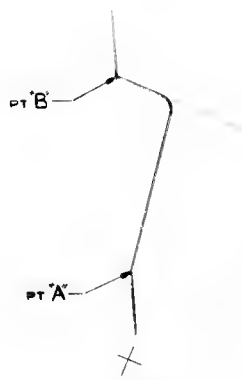
LDW280-18146 SH 3



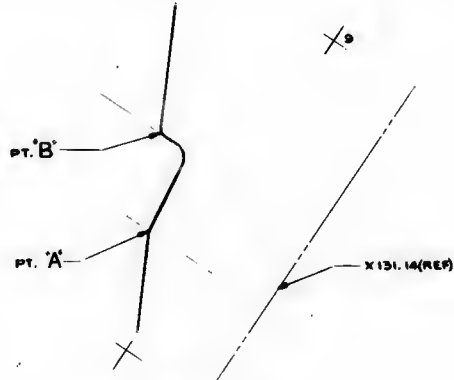


01

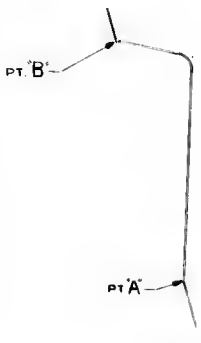
HA2-8-1100



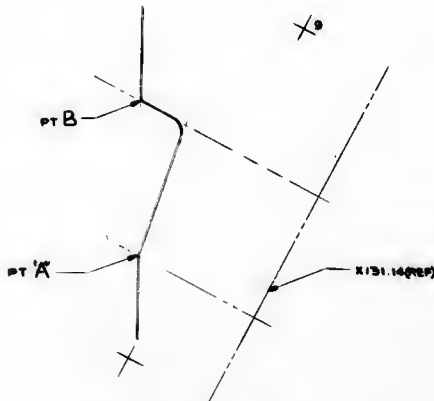
SECTION C-C
ZONE 7A



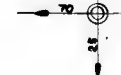
SECTION E-E
ZONE 7B



SECTION B-B
ZONE 7A



SECTION D-D
ZONE 7A

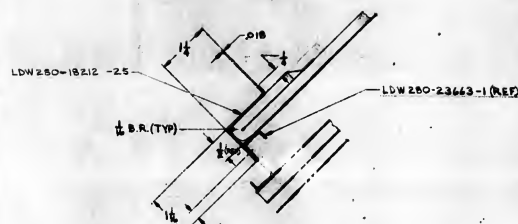


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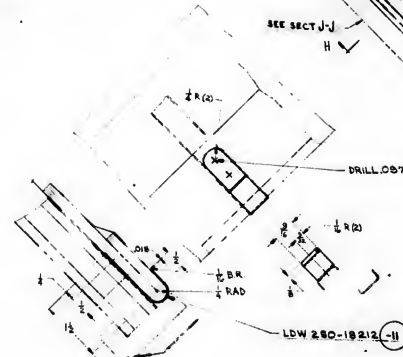


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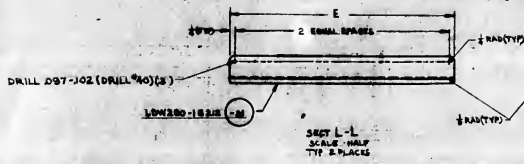
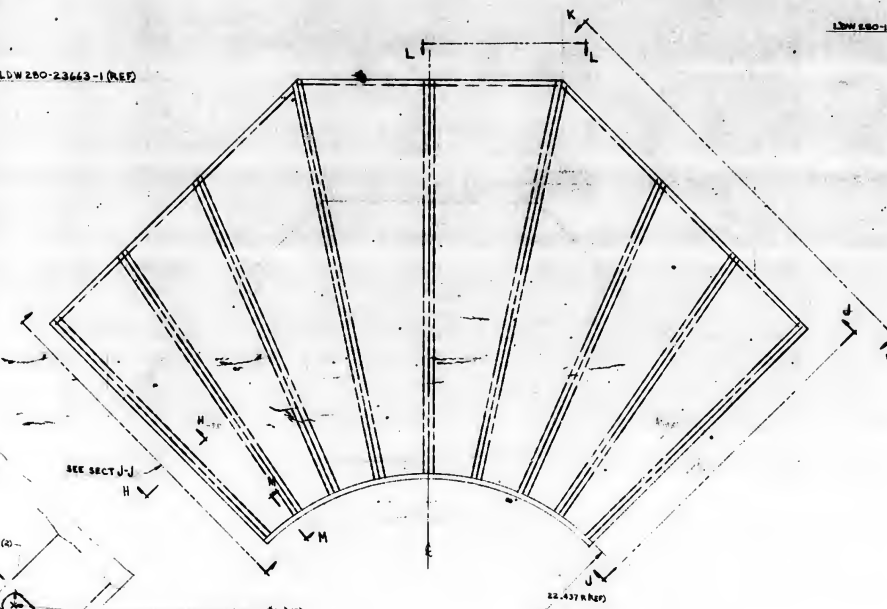
FOR PHOTO REPRODUCTION 2FR K2



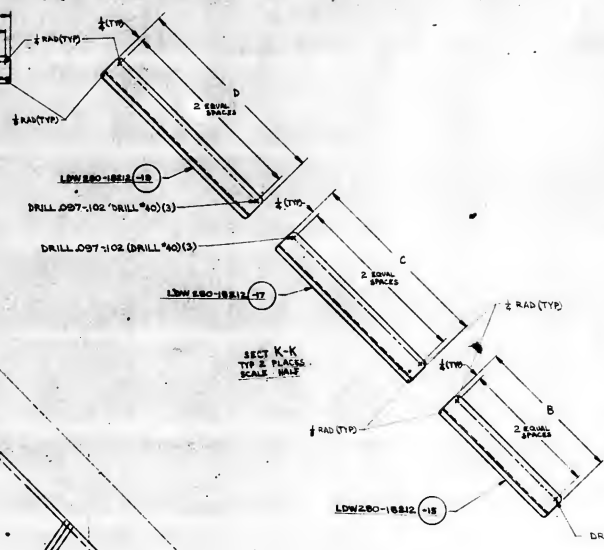
SECTION H-H
TYPICAL SECTION FOR -13, -15,
-17, -19, -21, -23
SCALE: FULL



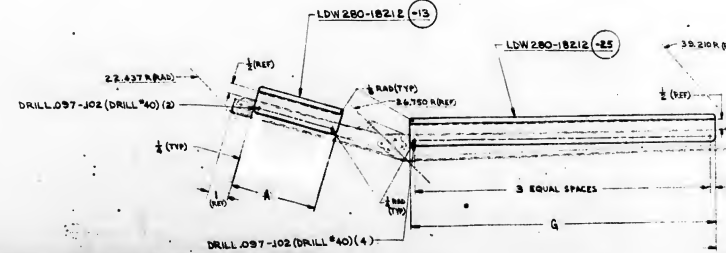
SECTION M-M
SCALE: FULL



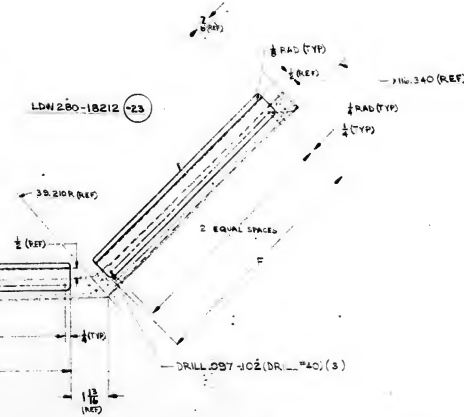
SECTION L-L
SCALE: HALF
TYP 2 PLACES



SECTION K-K
TYP 2 PLACES
SCALE: HALF



SECTION J-J
TYP 2 PLACES
SCALE: HALF

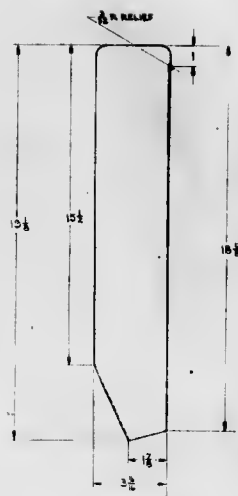


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ENG 22 1 12-02

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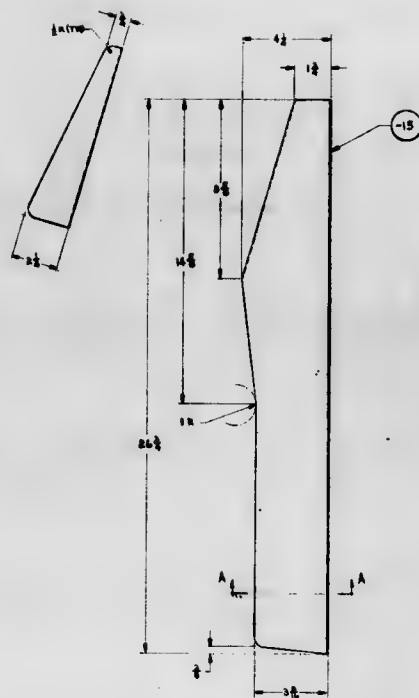
NAS 9-1100



LDW 280-18223-13
SCALE: HALF



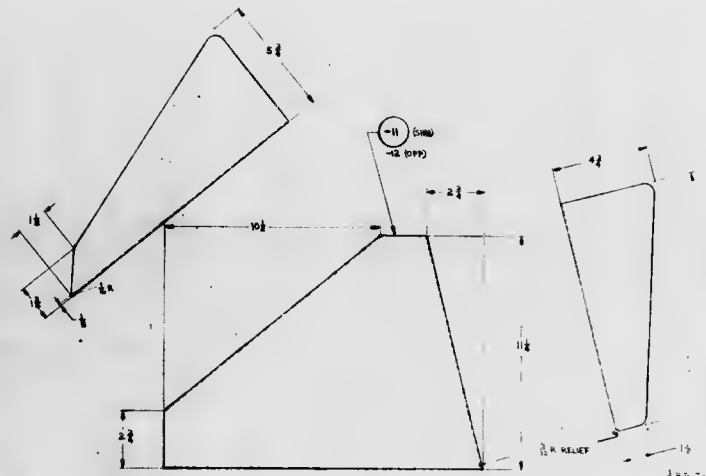
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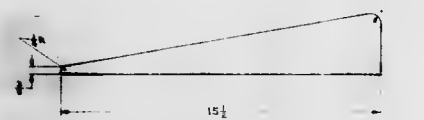
LDW 280-18223-15
SCALE: HALF



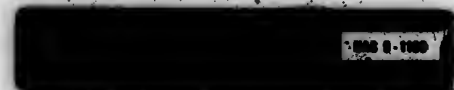
SECT A-A

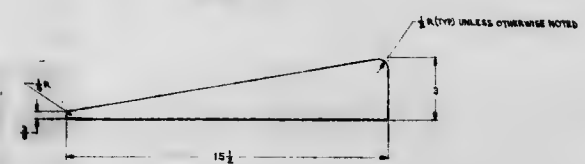
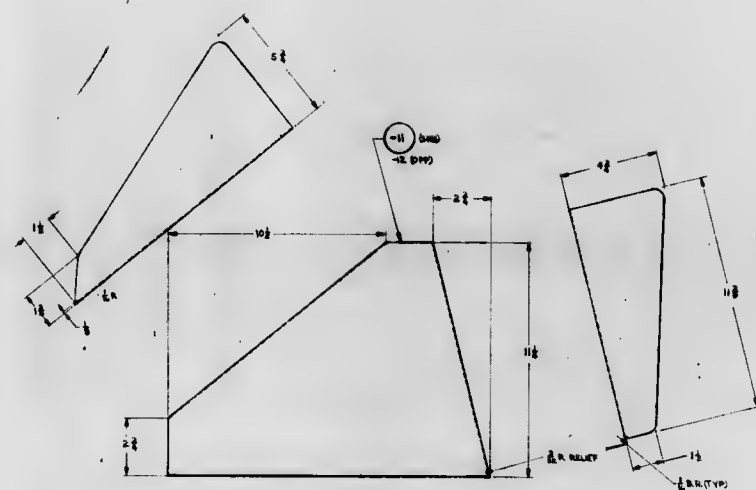


LDW 280-18223-11 (SHW)
LDW 280-18223-12 (OPP)
SCALE: HALF



1/2 IN. TYP. UNLESS OTHERWISE NOTED





CAL.	PART NO.	117	DESCRIPTION	MATERIAL	PROCESS SYM	FINISH NO.
C	LDW 250-18223-11	E	FOIL	MAKE FROM .0005 THICK, BRIGHT ROLLED	NONE	NONE
C	LDW 250-18223-12	E	FOIL	NICKEL FOIL COMMERCIAL PURE (NCO 200)	NONE	NONE
C	LDW 250-18223-13	E	FOIL	OR EQUIV (SEE NOTE #1'S)	NONE	NONE
C	LDW 250-18223-15	E	FOIL		NONE	NONE

LM	LDW 250-18223-11	LM 100-LM 1585	2 BA
MODEL	NET ASST	MODULE	18223-11
PART NO	LDW 250-18223-11-12		

LM	LDW 250-18223-12	LM 100-LM 1585	2
MODEL	NET ASST	MODULE	18223-12
PART NO	LDW 250-18223-12		

NOTE:
1. FABRICATE NICKEL FOIL IN ACCORDANCE WITH LPC 250-15
2. NO TOOLING MOLE'S PERMITTED IN PARTS
3. NICKEL FOIL SHALL BE RANDOM WRINKLED BEFORE W/A

CAL. - CLEANLINESS LEVEL PER LSP 14-001

CONTRACT NO. NAS-9-100 LINE ITEM I
DOCUMENTATION TYPE I PART NO. 207
* DRAWING NOT MADE

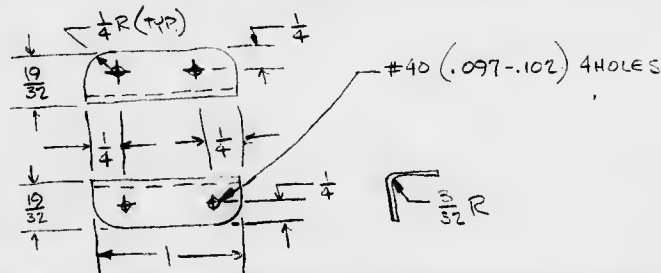
DRAWING NO. 18223-11		REV. 1		DATE 11/1/54		BY 11/1/54		CHECKED 11/1/54		APPROVED 11/1/54	
PLANE HYPERBOLIC PROJECTION REGD FOR INTERSTAGE FITTINGS (LSP-1420)						EQ. A1 INITIAL DRAWING RELEASE 1 PARTS MADE PER EQ					
LM	LDW 250-18223-11	LM 100-LM 1585	2 BA	NET ASST	MODULE	18223-11	18223-11	18223-11	18223-11	18223-11	18223-11
C DESCENT STAGE - INTERSTAGE - PROTECT						LDW 250 18223 A1					
V.A. COMPANY						GENERAL AIRCRAFT ENGINEERING CORP					
THIS IS AN ORIGINAL DWG						CDR - 12/1/54					

A
ENG 22.1 REV 3-64

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512
ENGINEERING ORDER

DRG NO. LDW280-18233	ED NO. A1
CONTROL NO. LDW280A 5159	

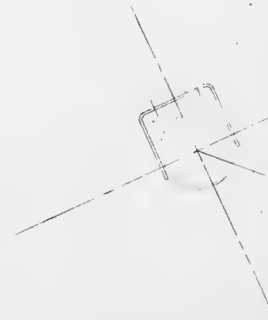
ADD-19 CLIP - .240 AL ALLOY SHEET ~ TOTS BARE ~ QQ-A-250/12
FINISH #33 ~ 1/4" RE TG. M/A LDW 280-23579, L11-3(33), 2REQD/1100.



THERMAL REQUIS FOR RT.G		ADDED -19.		DESCRIPTION OF LG	
SHIELD CLR. 359					
DATE	APPROVED BY	DATE	APPROVED BY	DATE	APPROVED BY
1-4	H-3(33)	2	1011	1-4	1-4
ISSUED BY GUS HANSMANN X153		SECTION V.D.1		GROUP NO. 280 PL. 35	

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NAS 9-1100

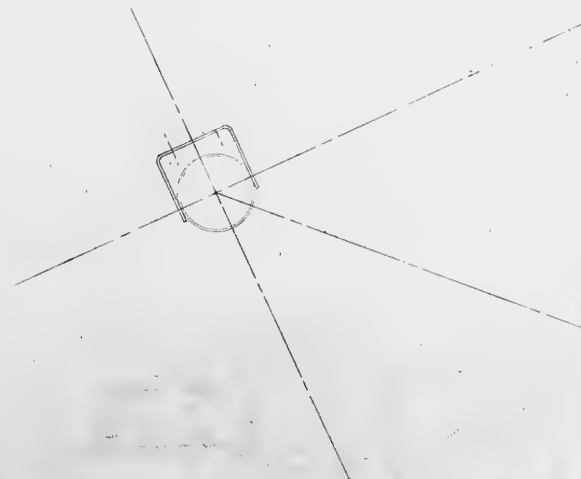


ALL INFO OTHER THAN
FOR REF ONLY

... ~~SEE A. 11~~

FINEN *88 (AND 102)
TEL. FUNCTIONAL $\frac{1}{2}$
CONTACT @ NAS-AL
CITE ITEM #1
DOCUMENTATION TYPE
L: A. B (10) ONLY
N/A LOW 380. $\frac{1}{2}$ 52
I & T = E
* DRAWING

01 / 02 NAS 9-1100



ALL INFO OTHER THAN THAT REQD FOR MANUFACTURE OF LAWRENCE-15837-1/434-15
FOR REF ONLY

NOTES: JACOB M. KELLY JET 1051-2000-777 - GR-A 250/4 B.R.
 FUELING "80 (ANODIZED) 150 M. 9020
 TOL. FRACTIONAL $\pm \frac{1}{32}$ ANGLE $\pm \frac{1}{2}$ DEGREE $\pm .005$
 CONTRACT # NAS 9-1100.
 LINE ITEM #1
 DOCUMENTATION TYPE III

LTA-B(18) ONLY
28672
N/A LDW 280-2 CONTROL LDW 210A4554
I & T = E
* DRAWING NOT N/A

NAS 9-1100

[illegible]

ALL INFO OTHER THAN THAT ABOVE FOR MANUFACTURE OF LOWBOY-BEST-14-WB-15
FOR REF ONLY

MAT: JACE M. ALLEY SAT - OCT 2000 → GRN-A 22/4 B.R.

FUEL #89(A400102) 150 KG GRXO

TOL FINGERTHUMB ± 1/32 INCH 1 1/2 DECIMAL 0.020

CONTACT # RAS3-1100

SIX 1700 #1

DOCUMENTATION TYPE II

LTA-B(10) ONLY

N/A LOWBOY ~~20673~~ CONTROL LOWBOY A4551

I BT = E

* DRAWINGS NOT N/A

02 / 02 NAS 9-1100

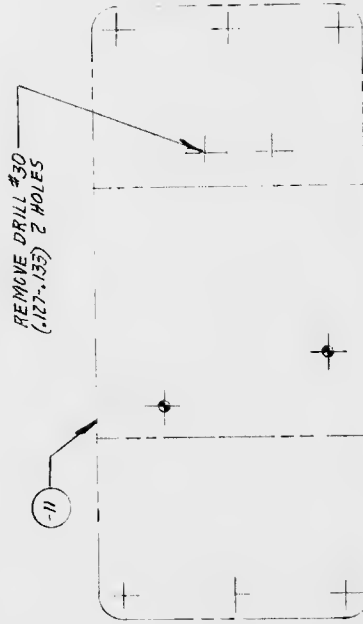
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NAS 9-1100

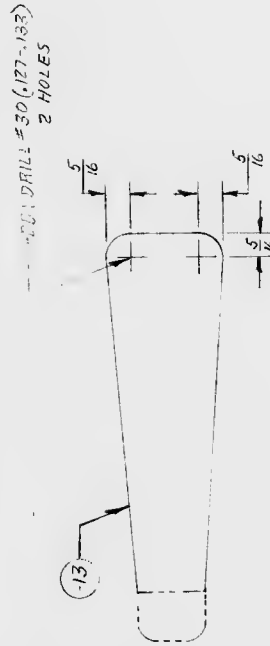
GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 2612
ENGINEERING ORDER

FIG. LDW280-18253
REV. 1
LM-5-11739

FIG. 23.2 BY 3.4E



SHOP NOTE: FOR RWK, TURN PART AROUND (180°) & REDRILL HOLES MARKED \bullet . EXISTING HOLES TO BE PLUGGED WITH MS20470RD4



IN -11-13 & -15 MODEL BLOCK,
(8) REQD/MOD. WAS (1)

RELEASED BY LIAISON

DATE	BY	CHKD	APPD	REV	DATE	BY	CHKD	APPD	REV
<p>TO ELIMINATE THE USE OF TERRY DRILLS THRU STEEL</p>					<p>IN -11-13 & -15 MOD.BLK., FROM -11, REMOVED DRILL #30 (2) HOLES TO -13, ADDED DRILL #30 (2) HOLES</p>				
REVISION	DATE	BY	CHKD	APPD	REVISION	DATE	BY	CHKD	APPD
1	1/14/70	LM			1	1/14/70	LM		
<p>ISSUED BY: E. STEINMETZ</p>					<p>GROUP NO. 335</p>				
<p>SECTION: VDI</p>					<p>PL. 5</p>				

2018.02.28 PM 3:45

AIRCRAFT ENGINEER
CODE IDENT NO. 24512

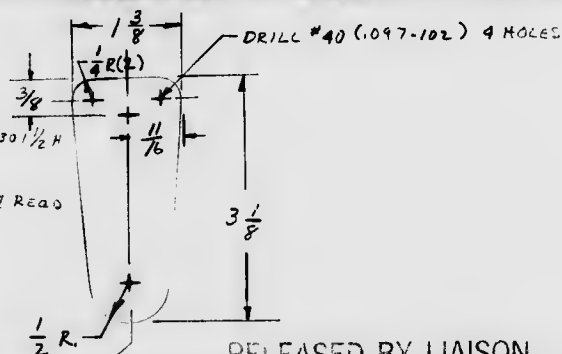
██████████

Q10. LDWJ28J
-11252
A2
LM-5-11736

M/F: CRES, SH

MIL-S-5059 TYPE 301 1/2 H
(.032)

N/A-LDWZPO-28613-29 READ
I & T = E



RELEASED BY LIAISON (5)

[illegible]

01

NAS 9-1100

				LDW280-18268							
LM	LDW280H52681	LM-15(45)	1	LM	LDW280H52681	LM-15(45)	3				
		LM-14(44)	1			LM-14(44)	3				
		LM-13(43)	1			LM-13(43)	3				
		LM-12(42)	1			LM-12(42)	3				
		LM-11(41)	1			LM-11(41)	3				
		LM-10(40)	1			LM-10(40)	3				
		LM-9(39)	1			LM-9(39)	3				
		LM-8(38)	1			LM-8(38)	3				
		LM-7(37)	1			LM-7(37)	3				
		LM-6(36)	1			LM-6(36)	3				
		LM-5(35)	1			LM-5(35)	3				
		LM-4(34)	1			LM-4(34)	3				
		LM-3(33)	1			LM-3(33)	3	LM	LDW280H52681	LM-3(33)	1 EA
LM	LDW280H52681	LM-2(32)	1	LM	LDW280H52681	LM-2(32)	3	LM	LDW280H52681	LM-2(32)	1 EA
MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	RECD PER MODULE OR END ITEM	MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	RECD PER MODULE OR END ITEM	MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	RECD PER MODULE OR END ITEM
PART NO. LDW280-18268-17		GAEC SCH NO.		PART NO. LDW280-18268-15		GAEC SCH NO.		PART NO. LDW280-18268-14-3		GAEC SCH NO. 55	

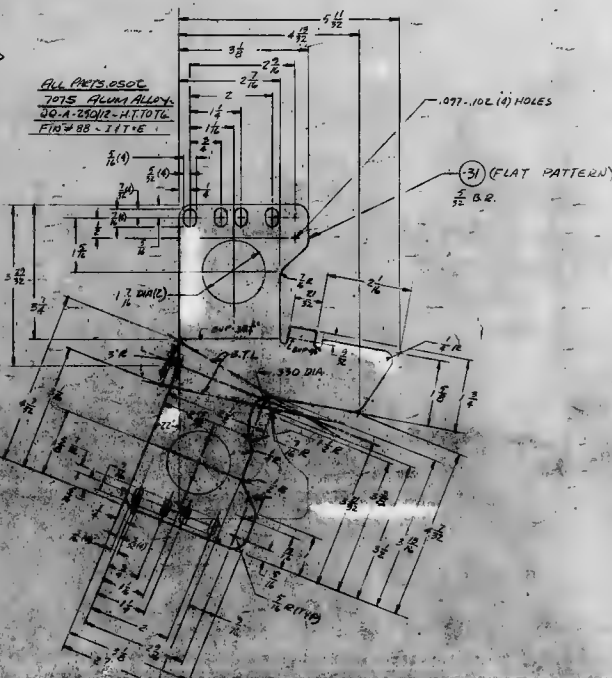
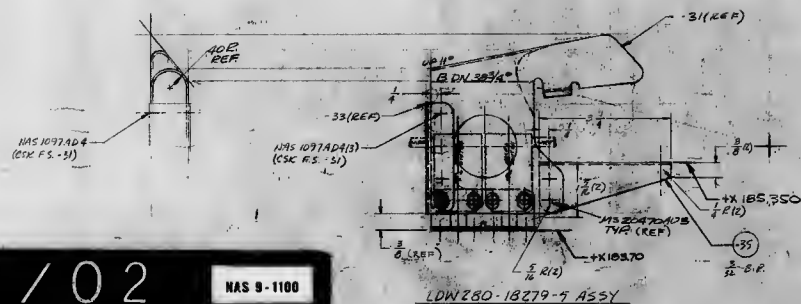
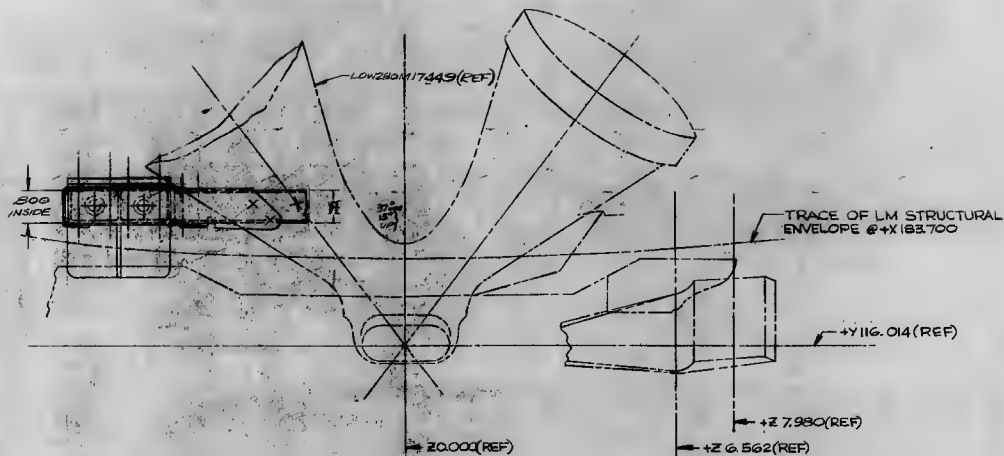
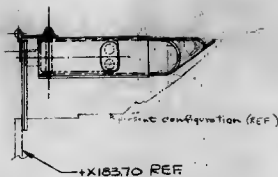
SH REV STATUS: FOR DESCRIPTION OF REV SEE SUBO SH				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.				CONTRACT NO. NAS 9-1100				WORK PACKAGE FUNCTION 110				DOCUMENTATION TYPE II			
SHEET	1.00	2.00	3.00					DRAWN BY	W. CONROY	3-24-67	RELIABILITY					GRUMMAN AIRCRAFT ENGRG CORP			
REV								LAYOUT BY	W. STEA	3-24-67						BETHPAGE, L. I., NEW YORK			
SHEET								CHECKED BY	D. FASS	3-23-67						BRACKET ASSY			
REV								ORIG DWG AUTH	GRP LDR	4-14-67						DESCENT STAGE - HELIUM			
REV								DETAIL SPEC REQUIREMENT	VDI	4-14-67						PRESSURIZATION MODULE			
LAST SECT LTR USED								CLASS I ENGRG CHANGE	✓	STRUCTURE	4-14-67	PROJ ENGR	4-14-67	SIZE	B	CODE IDENT NO.	26512	LDW280-18268	
LAST DASH NO. USED	-17							CLASS I ENGRG CHANGE		STRUCTURE	4-14-67	REL GROUP	4-14-67	SCALE	NONE	SHEET 1.00 OF 3			

ENG 77 1 17-48

CDR = 3/1/67

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NAS 9-1100

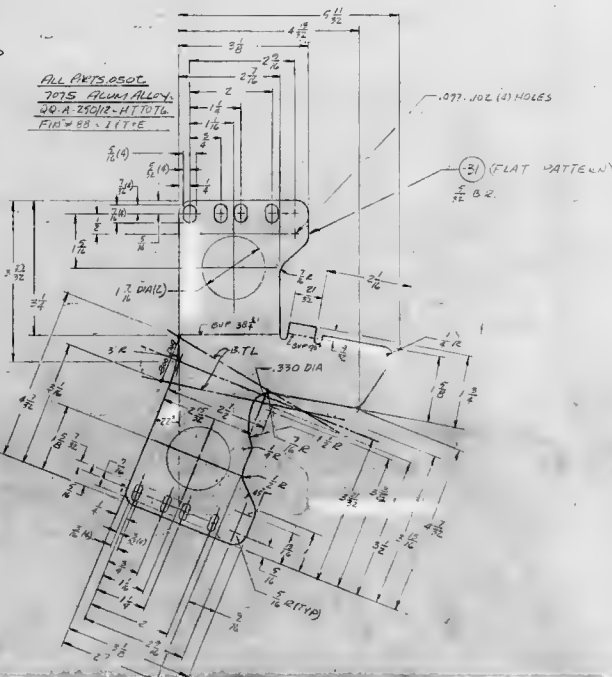
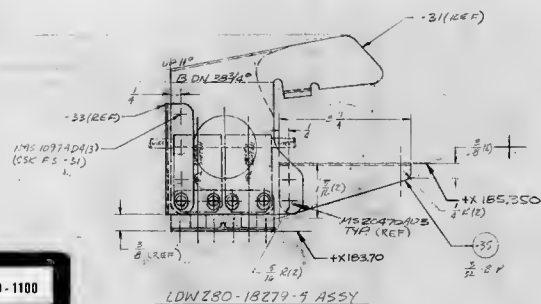
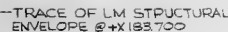


ADD - 31, 33, 35, M3204CH13(4)
N/A LDW280-1555 (1) REWARD
RENGIE-3 ASSY EFF LM- TING

01/02

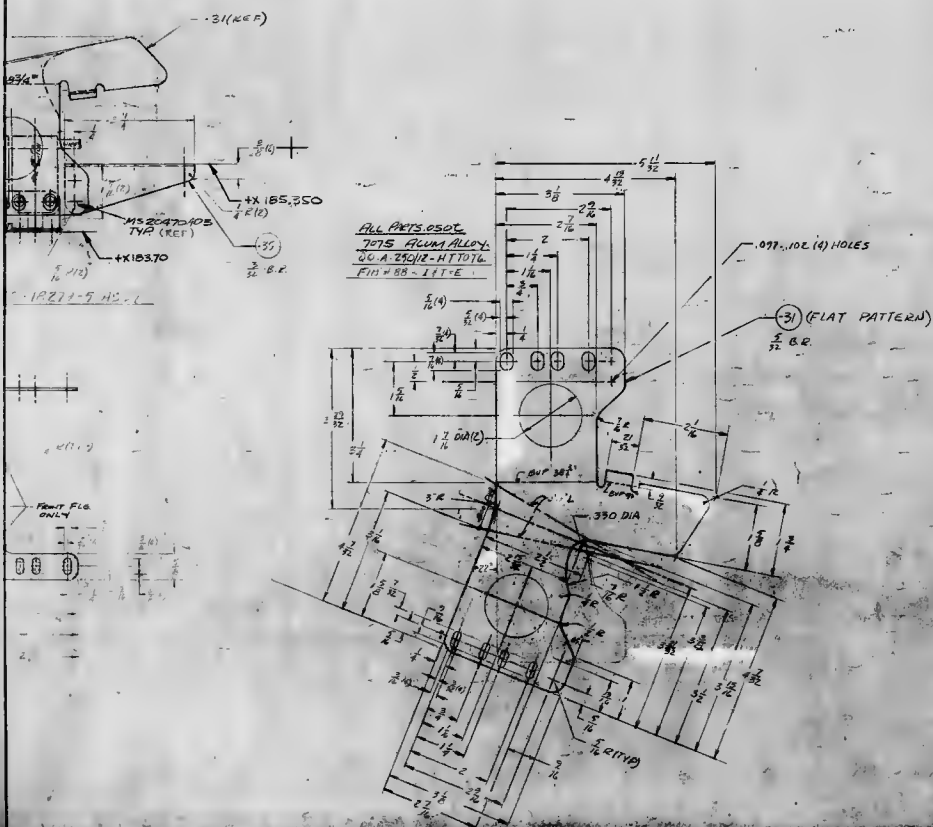
NAS 9-1100

TITLE, SPEC. NO.		CLASS. & PARTS CHG.	CLASS. & PARTS CHG.
NA JPP 5A		CLASS. & PARTS CHG.	CLASS. & PARTS CHG.
T-1A		CLASS. & PARTS CHG.	CLASS. & PARTS CHG.
NO.	DESCRIPTION	DATE	BY
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ADD - 3 134-17 M¹D. 2 4
N/A 11 22:00 90 4 46
REM - 5-3 ASSY E 11 11

TELE	SPEC REQ	CLASS	H	ANALYST	DATE	TIME
ALSO SEE FOR IT						
<div style="display: flex; justify-content: space-between;"> <div> <p>NAME</p> <p>PROVINCE</p> <p>DATE</p> </div> <div> <p>TIME</p> <p>SPEC. UNIT</p> </div> <div> <p>DATE</p> <p>TIME</p> </div> </div>						
SECTION						



ADD .31.33 F-35, M32070AD3(4), NAS1097AD3(7) CREATING - 3 ASSY.
NIA LOW 280-51555 (1 REQD MOD) EFF LM-1(31) THRU LM-15(45) I & T = E
REMOVE - 3 ASSY EFF LM-1 THRU LM-15.

LFM

[illegible]

GRUMMAN AIRCRAFT ENGINEERING CORP.
CODE IDENT NO. 26512

DWG. NO. LEO 280
CONTROL INFO NO. LDW280B7660
EO NO. 12854

ENGINEERING ORDER

FOR *: N/A LDW280-60522 WAS LDW280-64522 FOR LM-10(40) THRU LM-14(44), ADD LTA-11(23) & LTA-3 DR/1(460) EFFECTIVELY FOR N/A LDW280-60522 (QTY REMAINS THE SAME AS THAT OF LM-10(40)).

PART NO. *	DWG. NOMENCLATURE	CHANGE NUMBER
LDW280-17600-11	SEE DWG	87
-17601-151-17		86
-18324-19		44
LDW280	SEE DWG	

REDESIGN OF UPPER DECKS FOR EXTENDED TROP. TANKS		ON * N/A LDW280-60522 WAS LDW280-64522 FOR LM-10(40) THRU LM-14(44), ADD LTA-11(23) & LTA-3 DR/1(460) EFFECTIVELY.		LCD 3800 PKG 52 P. 1 of 3		S	
MODE	PROPOSING ACTIVITY NO.	DATE	BY	APPROVED BY	DATE	BY	APPROVED BY
LM	LM1004 LTA-11(23)	8-17-69	VDI	NOTED	8-17-69	VDI	NOTED
LM	LTA-3 DR/1(460)	8-17-69	VDI	NOTED	8-17-69	VDI	NOTED
DESIGNED BY		CHECKED BY		APPROVED BY		DATE	
LM1004 LTA-11(23)		LM1004 LTA-11(23)		LM1004 LTA-11(23)		8-17-69	
LTA-3 DR/1(460)		LTA-3 DR/1(460)		LTA-3 DR/1(460)		8-17-69	
DESIGNED BY		CHECKED BY		APPROVED BY		DATE	
LM1004 LTA-11(23)		LM1004 LTA-11(23)		LM1004 LTA-11(23)		8-17-69	
LTA-3 DR/1(460)		LTA-3 DR/1(460)		LTA-3 DR/1(460)		8-17-69	
DESIGNED BY		CHECKED BY		APPROVED BY		DATE	
LM1004 LTA-11(23)		LM1004 LTA-11(23)		LM1004 LTA-11(23)		8-17-69	
LTA-3 DR/1(460)		LTA-3 DR/1(460)		LTA-3 DR/1(460)		8-17-69	

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NAS 9-1100



NAS 9-1100

				LDW280-18361							
LM	LDW280-54838	LM-15(45)	1 EA								
		LM-14(44)	1 EA								
		LM-13(43)	1 EA								
		LM-12(42)	1 EA								
		LM-11(41)	1 EA								
		LM-10(40)	1 EA								
		LM-9(39)	1 EA								
		LM-8(38)	1 EA								
		LM-7(37)	1 EA								
	LDW280-54838	LM-6(36)	1 EA								
	LDW280-54643	LM-15(45)	1 EA	LM	LDW280-54839	LM-15(45)	2	LM	LDW280-54832	LM-15(45)	2
		LM-14(44)	1 EA			LM-14(44)	2			LM-14(44)	2
		LM-13(43)	1 EA			LM-13(43)	2			LM-13(43)	2
		LM-12(42)	1 EA			LM-12(42)	2			LM-12(42)	2
		LM-11(41)	1 EA			LM-11(41)	2			LM-11(41)	2
		LM-10(40)	1 EA			LM-10(40)	2			LM-10(40)	2
		LM-9(39)	1 EA			LM-9(39)	2			LM-9(39)	2
		LM-8(38)	1 EA			LM-8(38)	2			LM-8(38)	2
		LM-7(37)	1 EA			LM-7(37)	2			LM-7(37)	2
		LM-6(36)	1 EA			LM-6(36)	2			LM-6(36)	2
LM	LDW280-54643			LM	LDW280-54839			LM	LDW280-54832		
MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	RECD PER MODULE OR END ITEM	MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	RECD PER MODULE OR END ITEM	MODEL OR END ITEM	NEXT ASSY	MODULE OR SER NO.	RECD PER MODULE OR END ITEM
PART NO LDW280-18361-134-15		GAEC SCH NO.		PART NO LDW280-18361-17		GAEC SCH NO.		PART NO LDW280-18361-11		GAEC SCH NO.	

SH REV STATUS: FOR DESCRIPTION OF REV SEE SUBQ SH				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.				CONTRACT NO. NAS 9-1100				LINE ITEM				DOCUMENTATION TYPE <u>TE</u>			
SHEET	1.00	2.00	3.00					DRAWN BY	M. CONROY 3-26-68	RELIABILITY								GRUMMAN AIRCRAFT ENGRG CORP	
REV								LAYOUT BY	J. CORTELYOU									BETHPAGE, L. I., NEW YORK	
SHEET								CHECKED BY	W. J. 3-27-68									TAB	
REV								GRP LEADER	3-29-68									DESCENT STAGE PROPELLANT TANK	
SHEET								VEN DES INT	3-29-68									METEOROID PROTECTION	
REV								DETAIL SPEC REQUIREMENT											
LAST SECT LTR USED	~							CLASS II ENGRG CHANGE											
LAST DASH NO. USED	-17							CLASS I ENGRG CHANGE											
GRUMMAN REF ID				PRIM NO. 207				DATE 16/5/78				CLASS I ENGRG CHANGE				STRUCTURE 1			
LDW280-18361-134-15				LDW280-18361-17				LDW280-18361-11				LDW280-18361-11				LDW280-18361-11			
SCALE				NONE				SHEET 1.00 OF 3											

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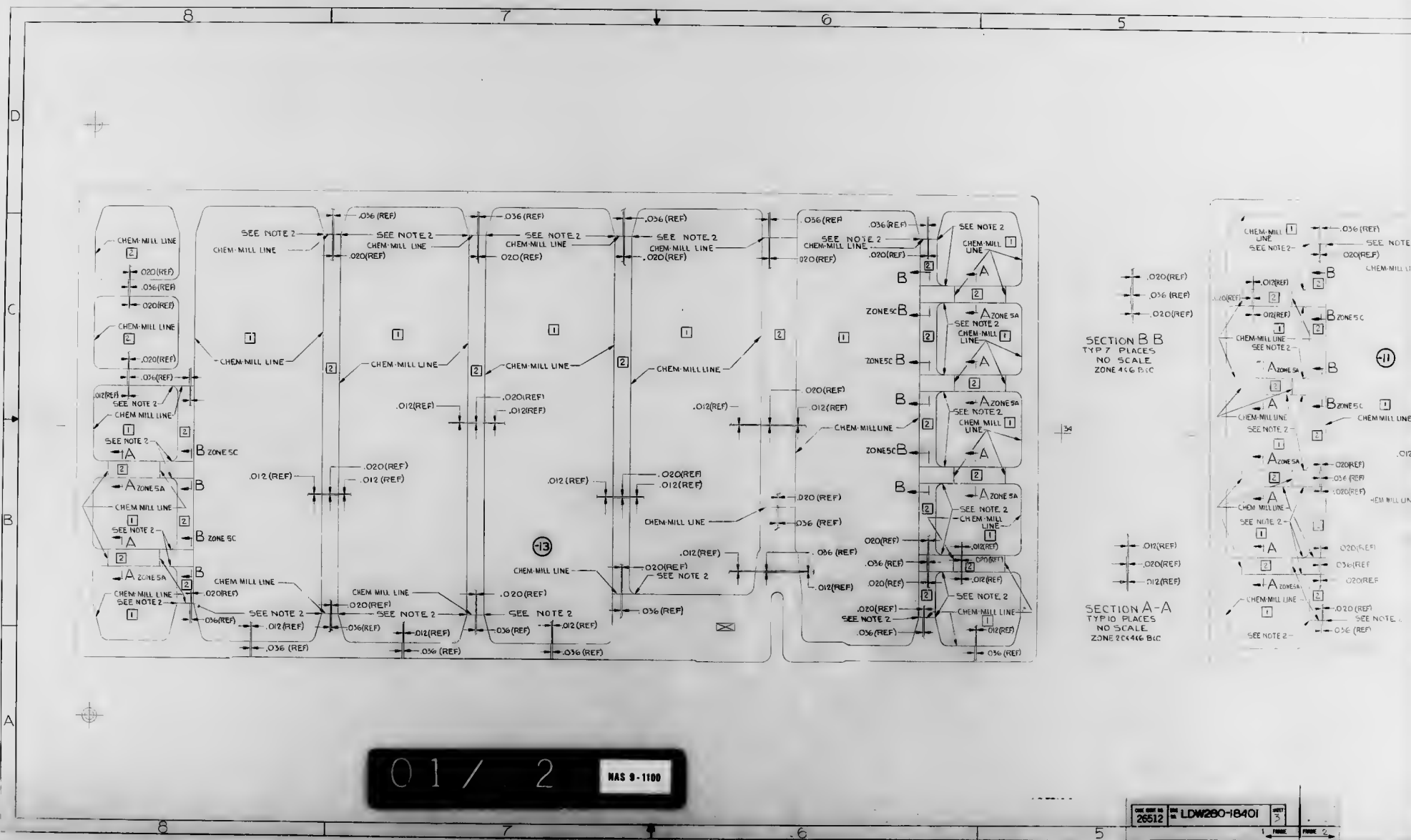
NAS 9-1100

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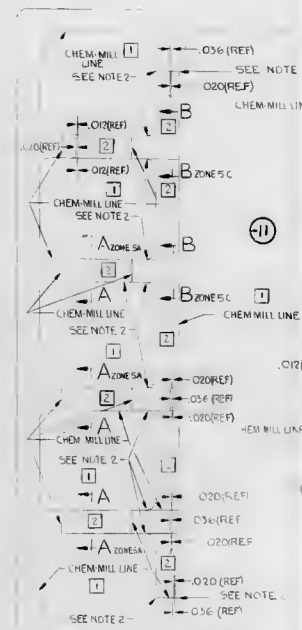
FD-36 (Rev. 5-22-64)

01 NAS 9-1100



SECTION B-B
TYP 7 PLACES
NO SCALE
ZONE 4 & 6 B.C

SECTION A-A
TYP 10 PLACES
NO SCALE
ZONE 2 & 4 B.C

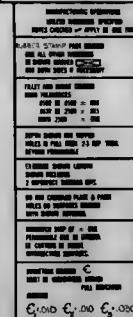


QTY PER ASSEMBLY	PART NO.	LT	CODE IDENT	NOMENCLATURE OR DESCRIPTION	MATERIAL	GOVT SPEC	COML SPEC	STOCK SIZE	PROCESS SYM	FINISH NO.	ZONE
	LDW280-18405-61	E		STRUT	AL ALLOY TUBE	QQ-A-225/9	2024-T3	3.00 O.D. x .095 x 40 1/2	SEE NOTE 7		
							2024-T3	3.00 O.D. x .095 x 33 3/4			
							7075-T6	3.00 O.D. x .083 x 40 1/2	SEE NOTE 7	88	
								1.500 O.D. x .083 x 29 3/4			
								1.875 O.D. x .083 x 11 3/4			
								1.875 O.D. x .083 x 19	SEE NOTE 7	88	
								1.875 O.D. x .083 x 23 3/4			
								3.00 O.D. x .083 x 40 1/2	SEE NOTE 7	88	
								1.500 O.D. x .083 x 29 3/4	SEE NOTE 7	88	
								1.875 O.D. x .083 x 11 3/4			
								3.75 O.D. x .083 x 19			
								3.00 O.D. x .083 x 35 3/4			
								2.375 O.D. x .083 x 23	SEE NOTE 7	88	
								3.00 O.D. x .083 x 40 1/2	SEE NOTE 7	88	
								1.500 O.D. x .083 x 29 3/4			
								1.875 O.D. x .083 x 11 3/4			
								1.875 O.D. x .083 x 19			
								3.00 O.D. x .083 x 33 3/4			
							7075-T6	2.375 O.D. x .083 x 23	SEE NOTE 7	88	
							7075	3.00 O.D. x .083 x 40 1/2	SEE NOTE 7	88	
								1.500 O.D. x .083 x 29 3/4			
								1.875 O.D. x .083 x 11 3/4			
								1.875 O.D. x .083 x 19			
								3.00 O.D. x .083 x 33 3/4			
	LDW280-18405-11	E		STRUT	AL ALLOY TUBE	QQ-A-225/9	7075	2.375 O.D. x .083 x 23	SEE NOTE 7	88	

SYM OR NO.	PROCESS SYM OR FINISH NO.	GRUMMAN SPEC OR MILITARY SPEC	SYM OR NO.	PROCESS SYM OR FINISH NO.	GRUMMAN SPEC OR MILITARY SPEC	SYM OR NO.	PROCESS SYM OR FINISH NO.	GRUMMAN SPEC OR MILITARY SPEC	I & T: IDENTIFICATION AND TRACEABILITY IN ACCORDANCE WITH
									NONE
									GRUMMAN AIRCRAFT ENGRG CORP., BETHPAGE, L. I., NEW YORK
									SIZE CODE IDENT NO
									B 26512 LDW280-18405
									SCALE NONE
									SHEET 200

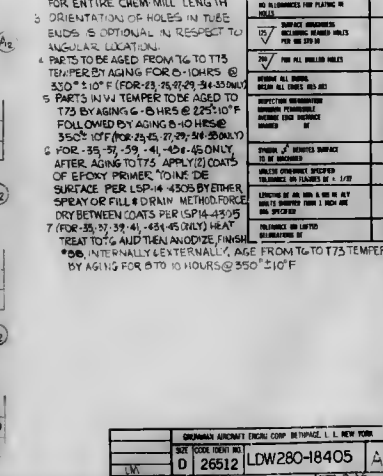
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LDW 280-18405-21-554-65			(A1)	(A2)
<div style="float: right; margin-right: 20px;"> DATE OF CUT 1975-07-21 AS OF 1975-07-21 </div> <div style="clear: both;"></div>				
	DEPTH OF STOCK			
	TO BE SHOWN THIS AND			
OVERALL	TOTALS AFTER CUTTING	DEPTH OF CUT		
[]	CUT C1 DIA. SHAPE 2	.025-.027		
[]	CUT C2 DIA. SHAPE 2	.022-.023		



ORIGINATOR: AIRCRAFT ENGINE COMP. BIRTHPLACE: I. I. NEW YORK	
SIZE	CODE IDENT NO.
D	26512
LDW280-18405	
A	
MODEL OR END ITEM	SHEET 300

				LDW280-18406							
								LM LDW280-23519 LM-15(45) 8			
								LM-14(44) 8			
								LM-13(43) 8			
								LM-12(42) 8			
								LM-11(41) 8			
								LM-10(40) 8			
								LM-9(39) 8			
								LM-8(38) 8			
								LM-7(37) 8			
								LM-6(36) 8			
								LM-5(35) 8			
								LM-4(34) 8			
								LM LDW280-23519 LTA-3(13) 8			
								PART NO LDW280-18406-13			
LM LDW280-23519 LM-15(45) 1				LM LDW280-23519 LM-15(45) 2 EA				LM LDW280-23519 LM-15(45) 4			
LM-14(44) 1				LM-14(44) 2 EA				LM-14(44) 4			
LM-13(43) 1				LM-13(43) 2 EA				LM-13(43) 4			
LM-12(42) 1				LM-12(42) 2 EA				LM-12(42) 4			
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LM-10(40) 1				LM-10(40) 2 EA				LM-10(40) 4			
LM-9(39) 1				LM-9(39) 2 EA				LM-9(39) 4			
LM-8(38) 1				LM-8(38) 2 EA				LM-8(38) 4			
LM-7(37) 1				LM-7(37) 2 EA				LM-7(37) 4			
LM-6(36) 1				LM-6(36) 2 EA				LM-6(36) 4			
LM-5(35) 1				LM-5(35) 2 EA				LM-5(35) 4			
LM-4(34) 1				LM-4(34) 2 EA				LM-4(34) 4			
LM LDW280-23519 LTA-3(13) 1				LM LDW280-23519 LTA-3(13) 2 EA				LM LDW280-23519 LTA-3(13) 4			
MODEL OR END ITEM		NEXT ASSY		MODEL OR END ITEM		NEXT ASSY		MODEL OR END ITEM		NEXT ASSY	
PART NO LDW280-18406-19		MODULE OR SER NO.		PART NO LDW280-18406-154-17		MODULE OR SER NO.		PART NO LDW280-18406-11		MODULE OR SER NO.	
		GAEC SCH NO.				GAEC SCH NO.				GAEC SCH NO.	
		READ PER MODULE OR END ITEM				READ PER MODULE OR END ITEM				READ PER MODULE OR END ITEM	
				WORK PACKAGE FUNCTION #110				(62)			
SH REV STATUS: FOR DESCRIPTION OF REV SEE SUBQ SH				UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.				CONTRACT NO. NAS 9-1100			
TOLERANCE UNLESS SPECIFIED FRACTIONS - DECIMALS - ANGLES				DRAWN BY W. CONROY 11-13-67				RELIABILITY			
± 1/32 ± .020 ± 1/2°				LAYOUT BY E. COMISKEY 11-17-67							
B DRWG DWG AUTH				CHECKED BY D. FASS 11-17-67							
DETAIL SPEC REQUIREMENT				GRP LDR J. J. J. 11-17-67							
CLASS I ENGRG CHANGE				WH DES INT J. J. J. 11-17-67							
CLASS II ENGRG CHANGE				STRUCTURES J. J. J. 11-17-67							
ICD 2011(CCA 66B)				WEIGHTS							
GRUMMAN REC-INFO				PROJECT ENGR J. J. J. 11-17-67				REL GROUP J. J. J. 11-17-67			
LAST SECT LTR USED		FORM NO. 1K(001)		CODE IDENT NO. B 26512		LDW280-18406		SCALE NONE		SHEET 1.00 OF 3	
LAST DASH NO USED -19		707		10P-16 11/22/7							

ENG 77.1 12-68

CDR 11/22/67

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NAS 9-1100

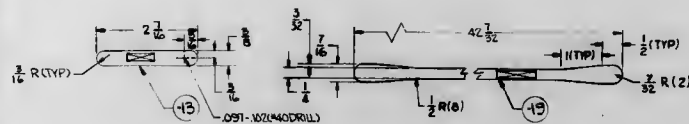
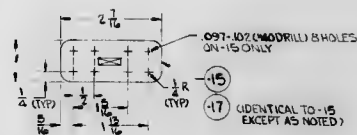
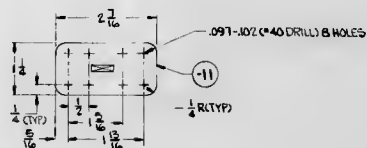
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NAS 9-1100

NOTE
1. NO TOOLING HOLES PERMITTED
IN PARTS.

MANUFACTURING OPERATIONS
UNLESS OTHERWISE SPECIFIED
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